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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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पेटेंट कार्यालय

एकस्य तथा अभिकल्प

कलकत्ता, दिनांक 3 जनवरी, 1998

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा मुम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जिन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडो इस्टेट,
तीसरा तल, लॉअर पार्ल (प.),
मुम्बई-400013 ।

गुजरात, महाराष्ट्र, मध्य प्रदेश
तथा गोवा राज्य क्षेत्र एवं संघ
क्षेत्र, दमन तथा दीव एवं
सादर और नगर द्वीप ।

- सार पत्र - "पेटेंटोफिस"

पेटेंट कार्यालय शाखा,
एकक सं. 401 में 405, तीसरा तल
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005 ।

उत्तराखण्ड विभाजन प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्र एवं संघ शासित क्षेत्र चंडीगढ़ ।

सार पत्र - "पेटेंटोफिस"

पेटेंट कार्यालय शाखा,
विंग "सी" (सी-4, ए),
तीसरा तल, राजाजी भवन,
बसन्त नगर, चेन्नई-600090 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु,
तथा पाण्डिचेरी राज्य क्षेत्र एवं
संघ शासित क्षेत्र, लक्षद्वीप, मिनिक्काय
तथा एमिनिदिबि ब्योप ।

सार पत्र - "पेटेंटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय)
निजाम पैलेस, द्वितीय बहमनीय कार्यालय
भवन, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस मार्ग,
कलकत्ता-700 020 ।

भारत का अग्रणी क्षेत्र ।

सार पत्र - "पेटेंटोफिस"

पेटेंट अभिनियम 1970 एवं पेटेंट नियम 1972 में
अपीलर सभी आवेदन-पत्र, सजावटी, निवेदन या अन्य प्रलेख पेटेंट
कार्यालय को केवल उचिततम कार्यालय में ही प्राप्त किए जाएंगे ।

शुल्क : शुल्कों की अदायगी या तो नकद की जाएगी अथवा
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा
ड्राफ्ट अथवा या जहाँ उपयुक्त कार्यालय अवस्थित है, उस स्थान
के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा
बैंक द्वारा की जा सकती है ।

APPLICATION FOR THE PATENT FILED AT THE
HPAD OFFICE 234/4, ACHARYA JAGADISH BOSE
ROAD, CALCUTTA-20.

The dates shown in the crecent brackets are the dates
claimed under section 135, under Patent Act, 1970.

13-11-1997

2140/Cal/97 Siemens Aktiengesellschaft & TFB Feinaus-
sweck Bochum GMBH. "Method and device for
directed freezing of a melt". (Convention No.
19647313.6 on 13-11-96 in Germany).

2141/Cal/97 Stoller Enterprises Inc. Fertilizer compositions
including chelated metal ions. (Convention No.
60/030,168 on 13-11-96 in USA).

2142/Cal/97 E.I. Du Pont De Nemours and Company &
Genencor International Inc. Method for the pro-
duction of 1,3-propanediol by recombinant orga-
nisms. (Convention No. 60/030,601 on 13-11-96
in U.S.A.).

2143/Cal/97 Merck Patent Gesellschaft MIT Beschränkter
Haftung. Process for the production of shaped
or unshaped polyol materials. (Convention No.
DE 196 47 282.2 on 13-11-96 in Germany).

2144/Cal/97 ELI Lilly and Company. Process for the synthe-
sis of Benzothienophenes. (Convention No. 60/
031,181 on 19-11-1996 in U.S.A.).

2145/Cal/97 Sun Coal Company. A method of converting
coal to coke in a coking oven. (Divided out of
No. 352/Cal/94, dated 12-5-94).

2146/Cal/97 The Research Found tion for Microbia' diseases
of Osaka University. A method for identifying
the attenuated varicella virus Oka strain or a
strain derived therefrom.

2147/Cal/97 Vertex Pharmaceuticals Incorporated. Novel
methods and compositions for stimulating neurite
growth and process for preparation of such compo-
sitions. (Convention No. 08/749,114 on 13-11-96
in U.S.A.).

2148/Cal/97 Vertex Pharmaceuticals Incorporated. Novel
methods and compositions for stimulating neurite
growth. (Convention No. 08/749,114 in U.S.A.)
on 13-11-96.

2149/Cal/97 Vertex Pharmaceuticals Incorporated. New
methods and compositions for stimulating neurite
growth and process for preparation of such compo-
sitions. (Convention No. 08/748,447 on 13-11-
1996 in U.S.A.).

- 2150/Cal/97 Vertex Pharmaceuticals Incorporated. Methods and compositions for stimulating neurite growth and process for preparation of such compositions. (Convention No. 03/748,448 on 13-11-96 in U.S.A.).
- 2151/Cal/97 Vertex Pharmaceuticals Incorporated. Methods and compositions for stimulating neurite growth (Convention No. 03/748,448 on 13-11-96 in U.S.A.).
- 2152/Cal/97 Vertex Pharmaceuticals Incorporated. New methods and compositions for stimulating neurite growth. (Convention No. 08/748,447 on 13-11-96 in U.S.A.).
- 2153/Cal/97 Infectio Diagnostic (I.D.I.) Inc. Species-specific, genus-specific and universal dna probes and amplification primers to rapidly detect and identify common bacterial and fungal pathogens and associated antibiotic resistance genes from clinical specimens for diagnosis in microbiology laboratories and a kit for such detection.
- 17-11-97
- 2154/Cal/97 Athena Neurosciences, Inc. & Eli Lilly and Co. Methods and compounds for inhibiting β -amyloid peptide release and/or its synthesis. (Convention No. 08/755,442 on 22-11-96. 08/808,528 on 28-2-97. 08/807,528 on 28-2-97. 08/807,427 on 28-2-97 in U.S.A.).
- 2155/Cal/97 Emitec Gesellschaft. Method and apparatus for determining a cell density of a honeycomb body, in particular for an exhaust gas catalytic converter. (Convention No. 19648272.0 on 21-11-96 in Germany).
- 2156/Cal/97 Siemens Aktiengesellschaft. Method and base station system for configuration of a radio interface between a mobile station and a base station in a time-division multiplex mobile radio system for packet data transmission. (Convention No. 19647629.1 on 18-11-96 & 19652303.6 on 16-12-96 in Germany).
- 2157/Cal/97 Siemens Aktiengesellschaft. Computer-aided method for partitioning of an electrical circuit. (Convention No. 19647622.4 on 18-11-96 in Germany).
- 2158/Cal/97 Siemens Aktiengesellschaft. Method and base station system for configuration of a radio interface between a mobile station and a base station in a time-division multiplex mobile radio system for packet data transmission. (Convention No. 19647629.1 on 18-11-96 & 19652303.6 on 16-12-96 in Germany).
- 2159/Cal/97 Siemens Aktiengesellschaft. Method and base station system for configuration of a radio interface between a mobile station and a base station in a time-division multiplex mobile radio system for packet data transmission. (Convention No. 19647629.1 on 18-11-96 & 19652303.6 on 16-12-96 in Germany).
- 60/Cal/97 Siemens Aktiengesellschaft. Method and base station system for configuration of a radio interface between a mobile station and a base station in a time-division multiplex mobile radio system for packet data transmission. (Convention No. 19647629.1 on 18-11-96 & 19652303.6 on 16-12-96 in Germany).
- 1/Cal/97 Dilip Kumar Mallik. V roller sliver spinning frame.
- 2162/Cal/97 Murata Manufacturing Co. Ltd. Barium titanate series semiconductor porcelain-composition. (Convention No. 8-309556 on 20-11-96 & 9-4933 on 14-01-97 in Japan).
- 2163/Cal/97 PepsiCo Inc. A beverage composition and method for its preparation. (Convention No. 08/748,975 on 14-11-96 in U.S.A.).
- 2164/Cal/97 Samsung Electronics Co. Ltd. Modal evolution optical coupler and method for manufacturing the same. (Convention No. 96-55043 on 18-11-96 in Korea).
- 2165/Cal/97 Samsung Electronics Company Ltd. Multi-mode optical coupler and method for manufacturing the same. (Convention No. 96-55043 on 18-11-96 in Korea).
- 2166/Cal/97 Gaba International AG. Amine hydrofluorides and process for their preparation (Convention No. 2843/96 on 18-11-96 in Switzerland).
- 18-11-97
- 2167/Cal/97 Dr. Dasalu Kuntay Bhimarao Anantha Narayana, Dhiraj Khattar, Sukhdev Sing, Pankaj Kumar Agarwal. An improved dentifrice composition.
- 2168/97 Aaki Holdings. Spherical shaped semiconductor integrated circuit. (Convention No. 60/032,340 on 4-12-96 in U.S.A.).
- 2169/Cal/97 Symmertricom Inc. A dielectric-loaded antenna. (Convention No. 9624649.1 on 27-11-96 & 9709518.6 on 9-05-97 in U.K.).
- 2170/Cal/97 N. R. Development Ltd. Container for housing heat generating equipment. (Convention No. MI 96 A 002415 on 20-11-96 in Italy).
- 2171/Cal/97 Siemens Aktiengesellschaft. Receiver unit for a radio communication system for receiving subscriber signals over a radio interface.
- 2172/Cal/97 Siemens Aktiengesellschaft. Semiconductor chip and water with protective coating, mainly of ceramic. (Convention No. 19649652.7 on 29-11-96 in Germany).
- 2173/Cal/97 Noise Cancellation Technologies, Inc. Electroacoustic transducers. (Convention No. 9626439.5 on 20-12-96 & 9700336.2 on 09-01-97 in U.K.).
- 2174/Cal/97 Mitsuba Corporation. Coaxial engine starter. (Convention No. 08-320171 on 29-11-96 & 08-320176 on 29-11-96 in Japan).
- 2175/Cal/97 Mitsubishi Denki Kabushiki Kaisha. Fuel-feed system for an engine. (Convention No. 9-142129 on 30-05-97 in Japan).
- 2176/Cal/97 West Bengal Pharmaceutical & Phytochemical Development Corporation Ltd. Improved insect repellent composition and to a method of preparation of the same.
- 19-11-1997
- 2177/Cal/97 Eli Lilly and Company. Reducing agent for reductive alkylation of glycopeptide antibiotics. (Convention No. 60/031,595 on 21-11-96 in U.S.A.).
- 2178/Cal/97 Eli Lilly and Company. Reductive alkylation of glycopeptide antibiotics (Convention No. 60/031,596 on 21-11-96 in U.S.A.).
- 2179/Cal/97 Kimberly-Clark Worldwide, Inc. Improved colorant stabilizers. (Convention No. 08/757,222 on 27-11-96 in U.S.A.).
- 2180/Cal/97 ABB Air preheater Inc. Air preheater heat transfer surface. (Convention No. 755,484 on 22-11-96 in U.S.A.).
- 2181/Cal/97 E.I. Du Pont De Nemours & Co. Processing aid system (Divided out of No. 133/Cal/95 dated 10-2-95).
- 2182/Cal/97 Keravision Inc. A dissector blade assembly suitable for forming a generally circumcorneal interlamellar channel in an eye. (Divided out of No. 203/Cal/93 dated 08-04-93).

2183/Cal/97 Jonathan Dallas Toye. Plant treatment material and method. (Convention No. 299783 on 19-11-96 & 328730 on 18-9-97 in New Zealand).

2184/Cal/97 New Technologies (SA-YSY) Ltd. Cardiac output enhanced pacemaker.

2185/Cal/97 New Technologies (SA-YSY) Ltd. Cardiac output controller.

20-11-1997

2186/Cal/97 Asok Kumar Pal, Ibha Pal & Saberi Pal. An improved pump/compressor.

2187/Cal/97 Asia Automation Industrielle SA. Process for the manufacture of tube bodies. (Convention No. 96118685.5 on 21-11-96 in Germany).

2188/Cal/97 Ano Leo. Reuseable spin-on multi system oil filter and method of reclaiming used filter canisters.

2189/Cal/97 Samsung Electronics Co. Ltd. Method for generating load signal using boomerang technique. (Convention No. 1922/1997 on 23-1-1997 in Korea).

2190/Cal/97 Hitachi, Ltd. Optical amplifier unit control methods, optical amplifier systems and systems which use the methods and amplifier systems. (Convention No. 08-313759 on 25-11-96 in Japan).

2191/Cal/97 KSB Aktiengesellschaft, Section control valve. (Convention No. 19653937.4 on 21-12-96 & 1972-5376.8 on 16-6-97 in Germany).

2192/Cal/97 E.I. Du Pont De Nemours and Company. Herbicidal salts. (Convention No. 60/033,895 on 20-12-96 & 60/038,647 on 9-11-97 in U.S.A.).

2193/Cal/97 E.I. Du Pont De Nemours and Company. Methyl substituted fungicides and arthropodocides. (Convention No. 60/033,641 on 19-12-96 & 60/048,844 on 6-6-97 in U.S.A.).

21-11-1997

2194/Cal/97 Philips Electronics N. V. Multiple plug for onielectric equipment. (Convention No. on 26-11-96 in France).

2195/Cal/97 Steag Microtech GmbH. Device for the treatment of substrates. (Convention No. P19648498.7 on 22-11-96 in Germany).

2196/Cal/97 Eaton Corporation. Electromagnetically operated electric switching apparatus. (Convention No. 08/753,353 on 25-11-96 in U.S.A.).

2197/Cal/97 PPG Industries, Inc. Novel photochromic heterocyclic fused indenonaphthopyrans.

2198/Cal/97 E.I. Du Pont De Nemours and Company. Herbicidal Heterocyclic amides. (Convention No. 60/032,835 on 13-12-96 in U.S.A.).

2199/Cal/97 Hewlett-Packard Company. Apparatus and method for conditioning photoconductor. (Convention No. 08/843,911 on 17-4-97 in U.S.A.).

2200/Cal/97 Thaumaturge Pty Ltd. Improved object manufacture. (Convention No. PO 3763 on 21-11-96, PO 4101 on 6-12-96, PO 4474 on 6-1-97, PO 3903 on 27-3-97 & PO 6951 on 22-5-97 in Australia).

2201/Cal/97 Colin Pearson, "Fluid driven pumps and apparatus employing such pumps". (Convention No. 9624205.2 on 21-11-96 & 97073466.4 on 11-04-97 in United Kingdom).

2202/Cal/97 Cricket S. A., "A gas lighter comprising safety ignition system". (Convention No. 9615529 on 12-12-96 in France).

2203/Cal/97 Synthelabo, "N-(Imidazolyl)butyl benzene-sulphonamide derivatives, their preparation and their application in therapeutics". (Convention No. 9614309 on 22-11-96 in France).

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

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Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta or the appropriate Branch Office on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by two to get the charges as the copying charges per page are Rs. 2/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्धित आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर अविवेचित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र के उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित दस्तावेज उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के सर्वां में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर-राष्ट्रीय वर्गीकरण के अनुरूप हैं।”

रूपांकन (चित्र आरेखों) की फोटो प्रतियां, यदि कोई हों, के साथ विनिर्देशों की अंकीत अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके, (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Int. Cl. : F 16 H 5/00.

AN IMPROVED VEHICLE COMPOUND CHANGE
GEAR TRANSMISSION.

Applicant : EATON CORPORATION, OF 1111 SUPERIOR AVENUE, CLEVELAND, OHIO 44114, UNITED STATES OF AMERICA.

Inventors : 1. JOSEPH DOUGLAS REYNOLDS, 2. ALAN CHARLES STINE, 3. DAVID OWEN THOMPSON.

Application No. 338/Cal/93 filed on 17th June, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

6 Claims

An improved vehicle compound change gear transmission comprising a floating rotary mainshaft (20, 50) disposed in substantial axial alignment with a rotary auxiliary shaft (22, 52) and carries an auxiliary drive gear (24, 54) having an annular surface that radially engages in inner race of a bearing assembly that supports the mainshaft for rotation relative a stationary housing transmission, characterized in that the said auxiliary drive gear (24, 54) having enhanced radial movement as a result of the bearing assembly and the auxiliary drive gear (24, 54) being mounted on the mainshaft (20, 50) comprising the auxiliary drive gear (54) selectively clutched to the auxiliary shaft (52) by a clutch assembly (55) carried by the auxiliary shaft and the bearing assembly inner race (56) surrounds and is in contacting engagement with an annular radially outwardly facing surface (61) of a spacer member (62) that is secured to the mainshaft (50) for rotation therewith and has an annular surface facing axially towards the auxiliary shaft that is operative to prevent the bearing assembly inner race from moving axially away therefrom, the auxiliary drive gear (54) is secured to the mainshaft for rotation therewith between the spacer member (62) and the auxiliary shaft (52) and has an annular surface facing away therefrom that is abutting engagement with respective annular surfaces of the spacer member and bearing assembly inner race facing theretoward and means are provided for preventing the spacer member and the auxiliary drive gear from moving axially along the mainshaft.

(Compl. Specn. 13 pages;

Drgns. 2 sheets.)

Q. : 32 C

179942

Int. Cl.⁴ : C 07 F 9/02.

A PROCESS FOR PREPARING PHOSPHOLIPID DERIVATIVE.

**Applicant : ASTA MEDICA AKTIENGESELLSCHAFT
OF AN DER PIKARDIE 10, DRESDEN, GERMANY.**

Inventors .

1. GERHARD NOSSNER
2. JURIJ STEKAR
3. PETER HILGARD
4. BERNHARD KUTSCHER
5. JURGEN ENGEL

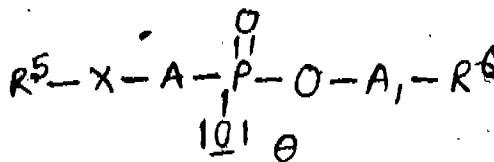
Application No. 473/CaI/93 filed on 17th August, 1993.

(Complete specification left after provisional on 22-08-94).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972). Patent Office, Calcutta.

2 Claims

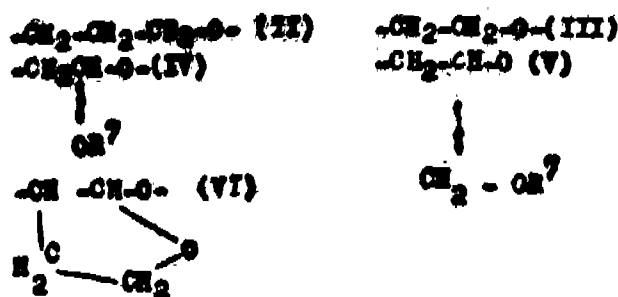
... process for the preparation of compounds of the general formula I



Formula I

R⁵ = straight-chain or branched alkyl radical with (10-24) carbon atoms which may also contain one to three double and/or triple bonds.

A = single bond or one of the groups with the formulae:



where R⁷—straight chain alkyl group with 1 to 4 carbon atoms; the groups (II) to (VI) are so oriented that the oxygen atom is bond to the phosphorus atom of the compound. (I).

X = oxygen or sulphur atom or NH when A = single bond

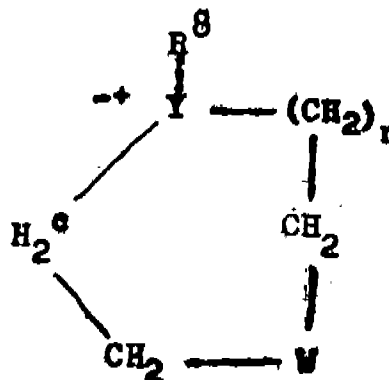
X = oxygen or sulphur atom when A is a compound of the groups of formulae (II) to (VI)

A₁ = straight-chain or branched alkyl radical with 2 to 10 carbon atoms

R⁶ = (+) YR⁹R⁹R¹⁰ with R⁹-R¹⁰=straight chain, branched or cyclic alkyl radical with 1 to 6 carbon atoms which may be the same or different or also hydrogen.

Y = P, As, Sb or Bi.

or a group of the formula VII



within= 0 or 1

$w = \text{CH}_2, \text{O}, \text{NH}$ or S ; provided $n=1$, if w is not equal to CH_2

which comprises reacting phosphorous oxychloride with n-alkanol in the presence or absence of a solvent such as herein described at a temperature range of -20°C and $+30^{\circ}\text{C}$ and

the molar ratio of phosphorous trichloride to alcohol is 1.3 : 1-0.8 : 1 followed by subjecting the product thus obtained to further reaction without isolation and purification with a compound of the general formula $VIII\ OH-A_1-R^6$ where A_1 and R^6 are as defined before and finally hydrolyze the reaction compound thus obtained, and if desired the product obtained is purified by treating it with mixed bed ion exchangers or simultaneously or successively with acid and/or base ion exchangers.

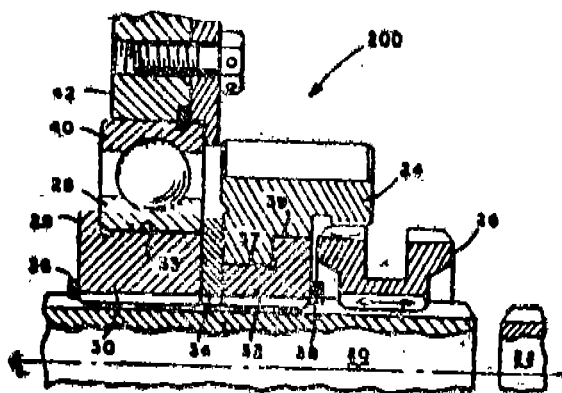
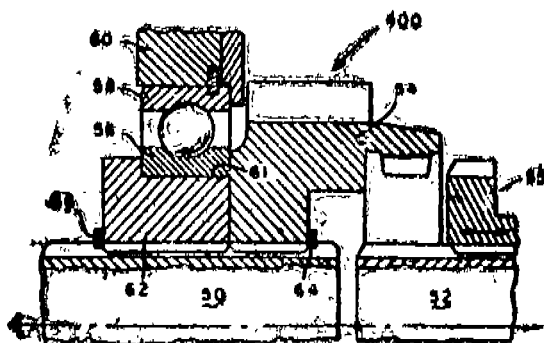


Fig. 2



Compl. Specn : 45 pages

Drgns : Nil

Cl. : 157 A 3

179943

Int. Cl. : E 01 B 7/00, 23/00, 25/00

"A METHOD OF PRODUCING A WEAR RESISTANT VEE ASSEMBLY FOR RAIL CROSSINGS AND A WEAR RESISTANT VEE ASSEMBLY PRODUCED BY SAID METHOD."

Applicant & Inventor : BROJO RENU GANGULY, OF 831 BLOCK 'P', NEW ALIPORE (GROUND FLOOR) CALCUTTA-700 053, WEST BENGAL, INDIA.

Application No. : 527/Cal/1993 filed on 8th September, 1993.

(Complete specification left after provisional on 26th November, 1993).

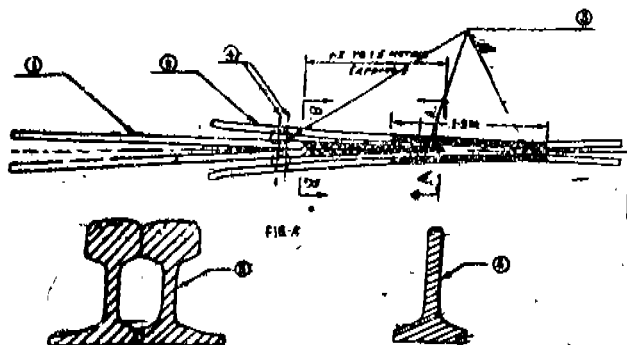
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

A method of producing a wear resistant vee assembly for rail crossings comprising the steps in sequence of :

- (a) fabricating the vee assembly by holding together two lengthwise halves of a rail with a plurality of fixtures in place of the vee assembly made by bolting together a point rail and a splice rail,

- (b) inserting into the interspace between the said two halves a mild steel plate,
- (c) welding the assembled elements together by electroslag process or sub-Arc process with material at its top and bottom, leaving a space at the top end of the rail head,
- (d) putting a hard facing layer into the space left out at (c) above, at the top and of the rail,
- (e) finishing the vee assembly to final shape, and
- (f) finally welding the extended nose portion of the vee assembly within the throat block of the wing rails to form a solid monolithic mass.



(Compl. Specn. : 19 pages;

Drgns. : 10 sheets)

(Provl. Specn. : 14 pages;

Drgns. : Nil)

Cl. : 33 D, 33 F

179944

Int. Cl. : B 22 D 29/00

"A SAND SEPARATING DRUM WITH ABRASIVE MEDIA RECYCLER IN CASTING SHAKE OUT UNIT."

Applicant : DIDION MANUFACTURING COMPANY, OF 7000 WEST GENEVA DRIVE RIVERSIDE INDUSTRIAL CENTRE ST. PETERS (ST. CHARLES COUNTY) MISSOURI 63376, U.S.A.

Inventor : CHARLES JACOB DIDION.

Application No. : 537/Cal/1993 filed on 13th September, 1993.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

5 Claims

A sand separating drum with abrasive media recycler in casting shake out unit for separating surface disposed core sand (S) from fresh or dirty castings (C) by tumbling said castings in the presence of abrasive media (M), said drum (1) being rotated by gear means (19) and comprises :—

an outer cylinder (3) and an inner cylinder (5) concentric with the outer cylinder, said inner and outer cylinders defining an annular space (10) there between;

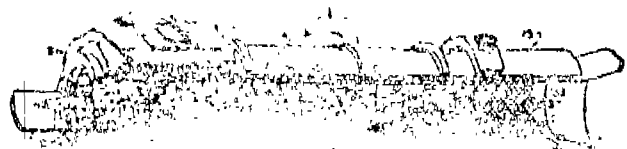
a series of helically arranged vanes (9) provided within said space (10) between the two cylinders (3 and 5);

an entrance segment (21) wherein the mold sand (S) is being removed from the surface of the castings (C) by tumbling, said entrance segment (21) defining an entrance (31) to said drum (1), said entrance segment (21) having rifling (33) provided on said inner cylinder (5) for moving the castings longitudinally therealong, and having perforations (7) through which removed sand is passed into the space (10);

an exit segment (23), said exit having an inner cylinder (35) defining a series of apertures (37) there through providing for the passage of said abrasive members (M) and any remaining residue sand from the castings into the space (10) inbetween the two said cylinders (3 and 5);

moving means by inclined surface (38) in the exit segment, in the space (10) defined by two cylinders (3 and 5) for moving the separated sand (S) and abrasive members (M) towards the space (10) between the cylinders (3, 5) within the entrance segment (21);

Characterised by that the drum (1) being provided with recirculating means (45) at the entrance (31) of the entrance segment (21) for recirculating abrasive media (M) into the drum (1) and to remove waste core sand (S).



(Compl. Specn. : 10 pages;

Drgns. : 2 sheets)

Cl. : 145 C

179945

Int. Cl. : D 21 H 27/00, 17/31

"A PROCESS FOR MANUFACTURING CELLULOSIC RECYCLABLE MATERIALS HAVING IMPROVED PROPERTIES."

Applicant : TETRA ALFA HOLDINGS S.A., OF 70, AVENUE GENERAL-GUISAN, P.O. BOX 430, CH-1009, PULLY, SWITZERLAND.

Inventor : JORGE VERDUGO LAGOS.

Application No. : 575/Cal/1993 filed on 29th September, 1993.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

17 Claims

A process for manufacturing cellosic recyclable materials having improved properties such as substantial imprevousness to fluid materials and/or resistance to light radiation which comprises in combination :

(a) addition of a gel forming hydrocolloid or a mixture of hydrocolloids such as herein described wherein one such hydrocolloid is a gel former, to cellulose pulp at a temperature above the point of gel-formation an wherein the proportion of hydrocolloid(s) in relation to the total water content in the said cellulosic pulp is at least around 0.5% by weight when dealing with a gel forming hydrocolloid or a mixture thereof with a gel strength of 600 g/cm²;

(b) formation of a sheet of paper or cardboard from the product of step (a) in conventional manner;

(c) dehydration followed by cooling to ambient temperature until the humidity levels are attained on dry basis, typical of paper or cardboard, as the case may be; and

(d) optionally incorporating in the said cellulose pulp, one or more substances such as herein described to improve firmness, gel strength and/or resistance to light radiation.

(Compl. Specn. : 15 pages;

Drgns. : Nil)

Cl. : 40 A

179946

Int. Cl. : F 01 N 03/02, 03/28

"EXHAUST GAS PURIFICATION DEVICE FOR REDUCING HYDROCARBON EMISSIONS DURING THE COLD START OF COMBUSTION ENGINES."

Applicant : DEGUSSA AKTIENGESSELLSCHAFT, OF WEISSFRAUENSTRASSE 9, D-60311 FRANKFURT, GERMANY.

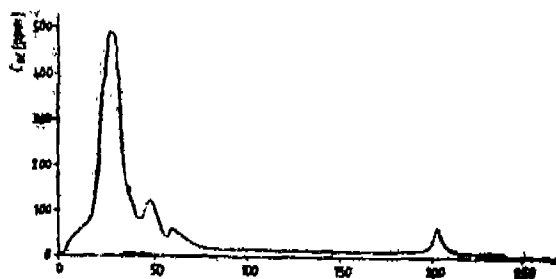
Inventors : 1. DIETER LINDNER, 2. EGBERT LOX, 3. BERND ENGLER, 4. KLAUS OSTGATHE.

Application No. : 617/Cal/1993 filed on 15th October, 1993.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

3 Claims

Exhaust gas purification device for reducing hydrocarbon emissions during the cold start of combustion engines for maintaining difference between the light off temperature TA of the oxidation catalyst for the conversion of the hydrocarbons and temperature TD of the adsorber in immediate contact with the oxidation catalyst less than 50°C comprising a monolithic honeycomb body having an adsorber mixture composed of a dealuminised zeolite with an Si/Al ratio or more than 40 and a zeolite with an Si/Al ratio or more than 20, wherein the adsorber mixture has a mass ratio of two zeolites of 1:10 to 10:1, and containing an immediately downstream oxidation catalyst with platinum and/or palladium and a three-way catalyst with platinum and/or palladium and/or rhodium, the oxidation catalyst containing at least 3.5 g of platinum and/or palladium per litre of catalyst volume.



(Compl. Specn. : 17 pages;

Drgns. : 3 sheets)

Cl. : 143 B & C

179947

Int. Cl. : B 65 D 30/00, 33/28

"A METHOD OF MANUFACTURING JUTE SACKING BAGS WITH MODIFIED STITCHED ENDS, BUT WITHOUT ANY FOLDS, AND TO A BAG SO PRODUCED."

Applicant : INDIAN JUTE INDUSTRIES RESEARCH ASSOCIATION, OF 17, TARATOLA ROAD, CALCUTTA-700 088, INDIA.

Inventors : 1. PRADIP KUMAR CHOUDHURY, 2. ASHOKE KUMAR GANGULI.

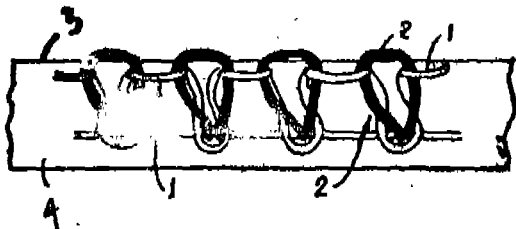
Application No. : 5/Cal/1994 filed on 3rd January, 1994.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

A method of manufacturing jute sacking bags with modified stitched ends, but without any folds, which method comprises adopting at each of the raw edges of the bag a modified herackle stitch using looper thread and needle

thread, without folding the edges, such that the configuration of the stitched type is changed to a hanging loop type from the conventional bound to the loop type, whereby the path of the looper thread is caused to be shifted such as to be provided along the raw edge of the cloth, being so stitched, at the mouth of the bag, together with the path of the needle thread lying along the said raw edge, and, consequently, fraying of the weft yarns is caused to be prevented.



(Compl. Specn. 7 pages;

Drgs. 1 sheet)

Cl. : 41

179948

Int. Cl. : E 04 H 12/06

"CHIMNEY."

Applicant & Inventor : RAMNARAYAN CHAKRA-
BORTY, OF 30, OFFICE LANE, AGARTALA-799 001,
TRIPURA, INDIA.

Application No. : 12/Cal/1994 filed on 10th January,
1994.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

A chimney which is a cone-sheed vortidell placed hollow
body of aluminium, the cone converging towards the top,
wherein the outer surface of the chimney is lined with glass
wool as the host insulating material.

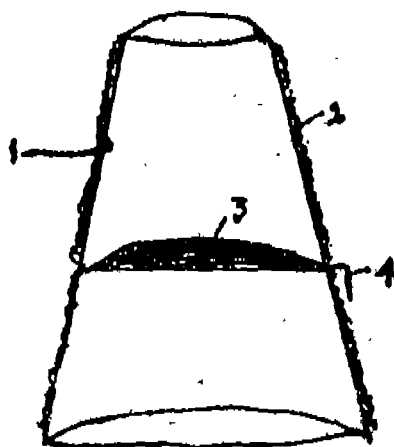


FIG-1

(Compl. Specn. : 4 pages;

Drgs. : 1 sheet)

Cl. : 172 C 1

179949

Int. Cl. : D 01 G 15/84

"CARD CLOTHING FOR A CARDING MACHINE."

Applicant : GRAF & CIE AG, OF KRATZEN-UND
MASCHINENFABRIK, CH-8640 RAPPERSWIL, SWIT-
ZERLAND.

Inventor : RALPH GRAF.

Application No. : 601/Cal/1994 filed on 27th July,
1994.

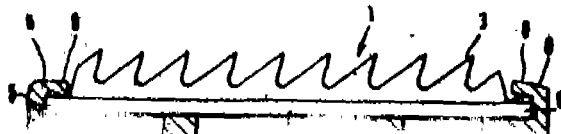
Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972), Patent Office, Calcutta.

7 Claims

A card clothing for a carding machine comprising :

a cover lining having an inwardly directed and longitudi-
nally extending foot part, a multiplicity of hooks extending
outward from the foot part, and a pair of ends; and

a pair of longitudinally spaced support elements wholly
out of direct contact with each other, one end of the cover
lining being seated in one of the support elements and the
other end of the cover lining being seated in the other
support element, the support elements being formed to fit
with the support structure of the carding machine.



(Compl. Specn. : 9 pages;

Drgs. : 1 sheet)

Cl. : 206 E

179950

Int. Cl. : G 11 B 21/00

"A CIRCUIT ARRANGEMENT FOR CANCELING
EFFECTS OF OSCILLATION IN AN ELECTROMECHANICAL
ENGRAVING MACHINE."

Applicant : OHIO ELECTRONIC ENGRAVERS INC.,
OF 4105 EXECUTIVE DRIVE, DAYTON, OHIO 45430,
UNITED STATES OF AMERICA.

Inventor : SAED M. MUBASLAT.

Applicant No. : 643/Cal/1993 filed on 27th October,
1993.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972), Patent Office, Calcutta.

8 Claims

A circuit arrangement for cancelling effects of oscillation
in an electromechanical engraving machine having an engrav-
ing head (18) comprising :

a pulse circuit (10) for applying pulses in a sequence to
eliminate different harmonics of each vibration ;

control circuit (26) for continuously monitoring inputs
affecting vibration; and

for deriving a predicted mode of vibration based on the
inputs;

wherein the inputs affecting vibration comprise :

an amplitude of a video signal 16;

a hardness of an engraving medium; and

a size and depth of cells formed on the engraving medium;

calculating means (36) for receiving a signal relating to
the said inputs affecting the undesired mode of vibration and
deriving a predicted mode of vibration; and the said control

179952

POUCHES FOR CONTAINING DRINKING LIQUID.

Inventors : KAMAL MEATTLE.

Kind of Application : Provisional - Complete.

Application for Patent No. 587 /Del/90 filed on 15-6-1990
Complete left after Provisional filed on 16-9-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

Claims - 5

A pouch for containing drinking liquid comprising front and back panels (P1 & P2) joined at the top edge, side edges and bottom edge, characterised in that a sheet secured with either of the said panels (P1 & P2) so as to form a compartment (C) for accommodating a straw (s) therein so as to allow the flow of liquid there through upon piercing the tearable base of said compartment (C) by said straw (S).

(Provisional Specification 4 Pages Drawing Sheet NIL)

(Complete Specification 8 Pages Drawing Sheet 1)

Ind. Cl. : 206 E

179953

Int. Cl.⁴ : G 06K, 9/00.

A COMPUTER DISPLAY SYSTEM.

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA OF ARMONK, NEW YORK 10504, UNITED STATES OF AMERICA.

Inventors : LARRY KEITH LOUCKS.

Application for Patent No. 590 'Del/90 filed on 15-6-1990

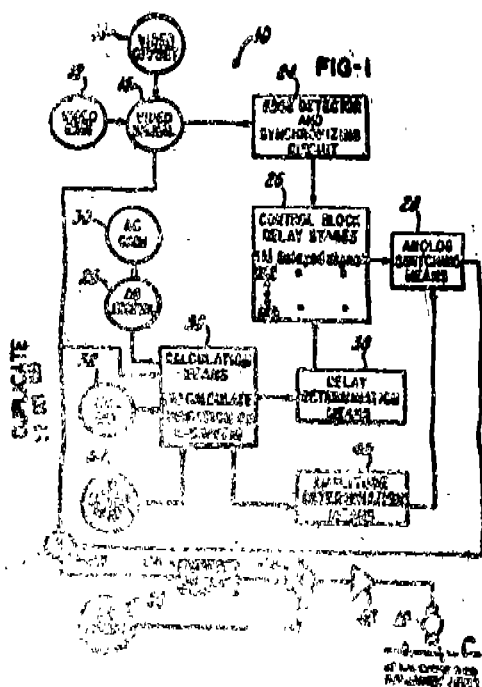
Convention date 14-9-1989/8920841.7/UK.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

Claims - 9

A computer display system having a refresh (42) buffer, and an interactive display terminal (20) with a screen display on which is formed a plurality of at least partially overlapping windows (28, 30 32 34), each window displaying subject matter different from that displayed on the remainder of the screen characterized by comprising input (12) means for requesting a rearrangement of the depth of the plurality of windows relative to a reference position from a current arrangement to a new arrangement; manager means (18) coupled to said input means for determining the depth of the subject matter associated with each of the windows, wherein said manager means, in response to the input request determines the new depth of the effected subject matter in each of the plurality of windows in the new arrangement and transmits the new depth values for the subject matter in each affected window; and

death buffer means (Z buffer system 46 comparator 50 and Z buffer array 51) coupled to said manager means for storing the death values of the subject matter associated with each of the windows displayed on the screen comparator means (50) for comparing the death value for the displayed subject matter in response to the input request to instruct the refresh buffer to store the newly transmitted subject



(Compl. Specn. : 14 pages;

Drgns. : 3 sheets)

Ind. Cl. : 170(B) & (D)

179951

Int. Cl. : A 45 D, 19/00, A 61 K, 7/075

"A PEARLESCENT LIQUID HAIR CONDITIONING SHAMPOO."

Applicant : COLGATE-PALMOLIVE COMPANY, 300
PARK AVENUE, NEW YORK, NEW YORK 10022,
UNITED STATES OF AMERICA.

Inventors : AMRIT M. PATEL, CLARENCE R. ROBBINS.

Application for Patent No. : 586/Del/90 filed on 14-6-1990.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

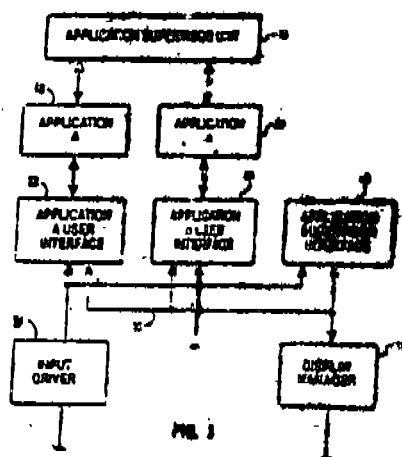
16 Claims

A pearlescent, liquid, hair conditioning shampoo in emulsion or suspension form comprising, by weight, 5 to 35% of a synthetic organic detergent, 0.3 to 10% of water insoluble hair conditioning agent selected from the group consisting of silicones, quaternary ammonium salts, amines anionic/cationic surfactant complexes of the kind such as hereinbefore described, polyalkylenes, oxidized polyalkylenes, paraffins isoparaffins, petrolatums, microcrystalline waxes, C₁₈₋₂₆ fatty acids, stearyl stearate, beeswax and mixtures thereof 0.5% to 10% of a stabilizer comprising a long chain primary alcohol having an average of from 28 to 42 carbon atoms in the chain or alkoxylated derivatives thereof said alcohol or derivative thereof being present in sufficient proportion to stabilize the emulsion or suspension, and 60 and 90% of an aqueous medium, with the ratio of content of the long chain alcohol or derivative thereof to the conditioning agent being in the range of from 0.2 to 5:1, and the balance, if any, one or more conventional adjuvants.

(Compl. Specn. : 41 pages; .

Drwgns. : Nil)

matter for refreshing the screen, if the comparing result shows that the new matter has a depth value associated with the same window or a window closed to the viewer.



(Complete Specification 29 Pages Drawing Sheets 10)

Ind. Cl. : 32 B

179954

Int. Cl.⁴ : C07C 5/48

PROCESS FOR THE PREPARATION OF A CATALYST COMPOSITION FOR USE, INTER ALIA IN ETHANE OXIDATIVE DEHYDROGENATION.

Applicant : BP CHEMICALS LIMITED, A BRITISH COMPANY, OF BELGRAVE HOUSE, 76 BUCKINGHAM PALACE ROAD, LONDON SW1Z 0SU, ENGLAND.

Inventors : MELANIE KITSON.

Convention Date 05-07-89/8915410.8/U.K.

Application for Patent No. 596/Del/90 filed on date 19-06-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

Claims 4

A process for the preparation of catalyst composition for use, inter alia, in ethane oxidative dehydrogenation comprising the elements A, Nb, Sb and Z in combination with oxygen, the gram-atom ratio of the elements A : Nb : Sb : Z being a:b:c:g wherein.

$A = \text{ModRecZWf}$

Z is at least one of Ca, RU and Ga,

$a=1$

$b=0.05$ to 1.0 ,

$c=0.001$ to 1.0

$d+e+f=a$

d is greater than zero,

e is greater than zero,

f is zero or greater than zero, at least part of Mo being replaceable by Re and/or W and

g is greater than zero, and the balance if any comprising one or more conventional ingredients such as hereinbefore described said process comprising;

(a) dissolving in any known manner sufficient quantities of soluble compounds and dispersing any insoluble compounds so as to provide the desired gram-atom ratio of the elements in the catalyst composition,

(b) removing in any known manner the solvent from the mixture, and

(c) calcining the product of (b) by heating to a temperature of from 200 to 550°C for a period of 1 minute to 24 hours.

(Complete Specification 18 Pages

Drawings-Nil)

Ind. Cl. : 206 E I

179955

Int. Cl.⁴ : H 011 L 27/00.

BIPOLAR TRANSISTORS AND PROCESS FOR PREPARING THE SAME.

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, USA, OF ARMONK, NEW YORK 10504, USA.

Inventor : CHAKRAPANI GAJANAN JAMPOTKAR.

Application for Patent No. 616/Del/90 filed on date 21-06-90.

Convention Date : 12-08-89/8918457.6/UK.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

Claims - 12

A bipolar transistor of the type having a base layer over a buried layer forming a p-n junction therewith and with a smaller area epitaxial electrode forming a p-n junction with said base layer at said exposed surface said epitaxial electrode extending a distance vertically with respect to said exposed surface, wherein said epitaxial electrode has an overhanging portion comprised of layers at the portion thereof separated from said exposed surface, said overhanging portion extending a specific distance beyond the lateral extent of said electrode at contact with said exposed layer, said base layer having a high conductivity portion and said high conductivity portion surrounding the area of contact of said epitaxial electrode with said base layer and terminating proximate to said epitaxial electrode by at most said specific distance.

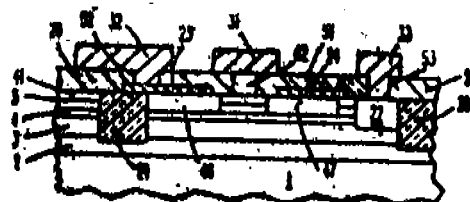


FIG.28

(Complete Specification 19 Pages

Drawing 6 sheets)

Ind. Cl. : 1155D

179956

Int. Cl.⁴ : D 21 J 1/08.

AN IMPROVED PROCESS FOR THE PREPARATION OF FIBRE BOARD.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFT MARG, NEW DELHI-110 001, INDIA.

Inventors : (1) NAVIN CHAND,

(2) SYED AZAR RASHEED HASHMI,

(3) TADIMETI CHAKRAPANI RAO.

Application for Patent No. 618/Del/90 filed on 22-6-90.

Complete left after provisional specification on 18-9-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Branch New Delhi-110 005.

Claims 4

An improved process for the preparation of fibre board which comprises :

- (1) Cleaning lignocellulosic sun hemp fibre with water to remove unwanted material.
- (2) cutting the cleaned fibres to sizes ranging from 5mm to 100mm.
- (3) drying the resultant cut fibres to remove moisture and other volatile materials,
- (4) impregnating the dried fibres with a solution of any thermoplastic or thermosetting polymer soluble in polar or nonpolar organic solvent for 30 sec. to 10 minutes,
- (5) evaporating the solvent from the impregnated mass,
- (6) pressing the said impregnated mass in a suitable mould under pressure of 0.5 to 1.0 kg/cm²
- (7) heating the mould to a temperature in the range of 100°C to 160°C,
- (8) cooling the mould to a room temperature and removing the board from the mould.

(Provisional Specification : 4 pages; Drawing Sheets : Nil)

(Complete Specification : 8 pages; Drawing Sheets : Nil)

Ind. Cl. : 40 F & 201D

179957

Int. Cl.⁴ : G 01 N 33/18.

AN IMPROVED INCUBATOR FOR BACTERIOLOGICAL ANALYSIS OF A SAMPLE.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110 001, INDIA.

- Inventors :
- (1) PRASANTA KUMAR RAY,
 - (2) PRAHLAD KISHORE SETH,
 - (3) HARISH CHANDRA,
 - (4) VIJAY KUMAR SEHGAL,
 - (5) RAVINDRA KUMAR SHARMA,
 - (6) VINOD PRAVIN SHARMA,
 - (7) RAM GOPAL,
 - (8) SANJAY KUMAR,
 - (9) RAM KRIPAL SRIVASTAVA,
 - (10) SATYA PRAKASH PATHAK,
 - (11) MOHD MUSHIR QURESHI,
 - (12) PRAMOD WASUBEO RAMTEKE,
 - (13) JENET WYNNE BHATTACHARIEE.

Application for Patent No. 619/Del/90 filed on 22-6-90.

(Complete left after provisional specification on 23-9-91.

Appropriate Office for Opposition Proceedings (Rules 4, Patent Rules 1972), Patent Office, Branch New Delhi-110 005.

Claims 2

An improved incubator for the bacteriological analysis of a sample which comprises two concentric chambers (1 & 1A), the peripheral gap between the chambers being filled

with an insulating material (12) the wall of the outer chamber (1) being provided with a hole for inserting a thermometer (10) for measuring the temperature, the three sides of the inner chamber 1A being lined with a heating element (2) the two ends of the heating elements being connected to conventional electric source, the temperature of the chamber being controlled by means of a gas filled thermostat (3 & 4) the inner chamber having a perforated horizontal partition (18) for housing the sample to be analysed, the front portion of the incubator being provided with a door, also lined with the said insulating material (12) a pilot indicator lamp (17) being fixed on the outside chamber in series with the above said thermostat for indicating the on/off position of the thermostat another indicator lamp (16) being also fixed on the front side of the outer chamber indicating the presence or absence of electric supply to the incubator.

(Provisional Specification : 6 pages; Drawing Sheets : 1)

(Complete Specification : 20 pages; Drawing Sheets : 3)

Ind. Cl. : 129N

179958

Int. Cl. : B 23K-1/04

C22C-5/00, 5/06.

AN IMPROVED PROCESS FOR MAKING LOW SILVER BRAZING FILLER ALLOY RIBBON/FOILS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor : SAILENDRA CHANDRA DEV INDIA; PROBHA BASAK, INDIA, OMKAR NATH MOHANTY, INDIA; INDER SINGH, INDIA.

Application for Patent No. 620/Del/90 filed on date 22-6-90.

Appropriate Office for Opposition Proceedings (Rules 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

Claims 5

An improved process for directly making low silver brazing filler alloy ribbons/foils, for use in the electronic industry which comprises :

- (i) melting silver copper alloy (36—40% silver) adding sixtin to the said molten mass a to have a composition in the range of silver 36—40%, silicon 2.7—4.25%, tin 0.15—0.25% and balance copper in an electric furnace using graphite crucible ;
- (ii) covering the melt with a flux such as borax during melting;
- (iii) pouring the melt into graphite mould in the temperature range of 900—950°C, to get cast slab/ingot;
- (iv) subjecting to induction melting the said cast slab/ingot to form ribbons/foils by rapid solidification technique using a "Melt Spinner"; and
- (v) if desired punching or cutting of the flexible ribbon/foils into brazing preforms.

(Complete Specification 13 Pages; Drawing NIL Sheets).

Int. Cl. : C25B 11/04 & C 25B 11/06

179959

Ind. Cl. : 70 (b)

A PROCESS FOR THE PREPARATION OF CATALYTIC CATHODES USEFUL FOR USE IN SYSTEMS EVOLVING HYDROGEN.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI 110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventors : SARUKIKAI KRISHNAMACHARI RANGARAJAN-KALLATHUVALAPPIL INNIRI VASU, SARANAPANI KRISHNAMURTHY PERUMAL SUBBIAH, KRISHNASWAMI ASHKAN KANDASAMY SUBRAMANIAN VITHILINGAM ARUMUGAM.

Kind of Application :

Application No. 643/Del/90 date 22-6-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

Claims 5

A process for the preparation of catalytic cathodes useful for use in system evolving hydrogen which comprises coating by known means a corrosion resistant substrate such as nickel, nickel alloy, stainless steel, or titanium with atleast an oxide, or a non-precious transition metal one or more precious metal/metals/alloys or their oxides and platinum and/or gold.

Complete Specification 12 Pages; Drawing Sheets NIL.

Ind. Cl. : 40E4F

179960

Int. Cl. : BOLD - 15/08, G 03C - 1/66.

AN IMPROVED PROCESS FOR THE SEPARATION OF 1, 4 BENZOQUINONE, CATECHOL, HYDROQUINONE AND PHENOL SIMULTANEOUSLY FROM THE MIXTURE CONTAINING 1, 4 BENZOQUINONE, CATECHOL, HYDROQUINONE AND PHENOL.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA.

Inventor : PROMOD PRABHAKAR MOGHE, AMRUTA SANJEEV TAMBE, SUJATA SUKURITI BISWAS, ASHWINI VINAYAK POL, IN MADHAV GOPAL KOTASTHANE, PRAKASH KONDIRA BAHIRAT.

Kind of Application : Complete.

Application for Patent No. 625/D/90 filed on date 22-6-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

Claims 2

An improved process for the separation of 1, 4-benzoquinone catechol hydroquinone and phenol simultaneously, from the mixture containing 1, 4-benzoquinone, catechol hydroquinone and phenol which comprises passing the said mixture through a column packed with cyanopropylmethylphenylmethicone 2-10% by weight of a mix consisting of acid washed, silanized, calcined diatomaceous earth of 80-100 mesh, eluting with nitrogen gas at the rate of 30ml to 40ml/min at a temperature ranging from 150° to 260°C.

Complete Specification 9 Pages; Drawing Sheets - NIL.

IND. CL. : 116F XLIX

179961

Int. Cl. : B 66B 1/00, 1/04.

A TELESCOPIC DOOR ASSEMBLY.

Applicant :

OTIS ELEVATOR COMPANY, A COMPANY ORGANISED UNDER THE LAWS OF THE STATE OF NEW JERSEY, UNITED STATES OF AMERICA. OF TEN FARM SPRINGS, FARMINGTON, CONNECTICUT 06032, UNITED STATES OF AMERICA.

Inventors : ALFONSO GARRIDO, JUAN MARTIN, JOSE SEVILLIEJA.

Application for Patent No. 629/Del/90 filed on Date 22-6-90.

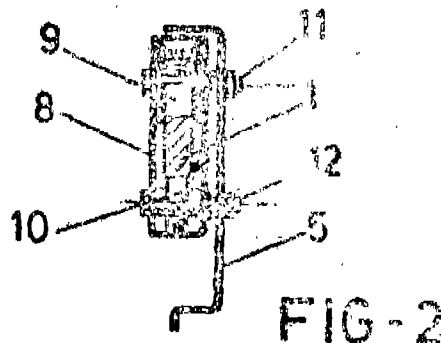
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

Claims 6

A telescopic door assembly comprising a pair of door (2, 3) said doors (2, 3) being mounted for sliding movement on a pair of parallel tracks, each said door on one of said tracks, said doors (2, 3) being secured to hanger brackets slidable on said tracks by means of rolling means connected to said hanger brackets to enable said sliding motion on said pair of tracks,

Characterised by a single track (1) on which both said doors (2, 3) are supported for sliding telescoping movement

over each other each said hanger brackets (4, 5) secured to each said door (2, 3) having a casing (8, 14) connected thereto, said casing (8, 14) encapsulating said rolling means (10, 13) and said single track (1) extending through said casing (8, 14) one of said hanger brackets (4, 5) for one of said doors (2, 3) being longer than the said hanger brackets (4, 5) for the other said door whereby a center part of said single track (1) is left free at the time of installation of said hanger brackets (4, 5).



Complete Specification 10 Pages;

Drawing Sheets-2.

Ind. Cl. : 20K, 40 F

179962

Int. Cl. : C 07C 7/00.

A VESSEL FOR CONTAINING FLUIDS.

Applicant : UOP, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK IN THE UNITED STATES OF AMERICA, WITH ITS PRINCIPAL PLACE OF BUSINESS LOCATED AT 25 EAST ALGONQUIN ROAD, DES PLAINES, ILLINOIS-60017, UNITED STATES OF AMERICA.

Inventor : WILLIAM JOHN KOVES.

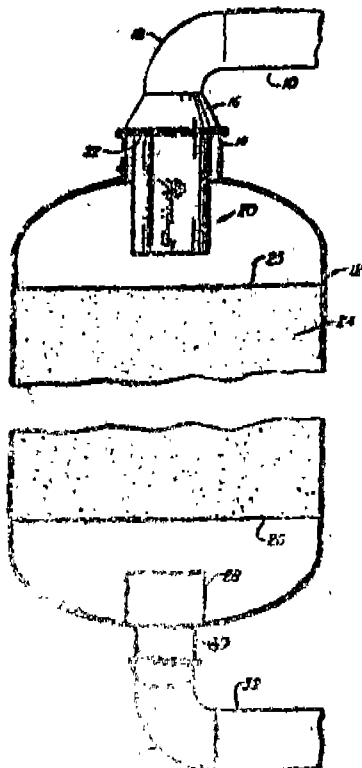
Application for Patent No. 636/Del/90 filed on date 26-6-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

Claims 7

A vessel (12) for contacting a fluid, entering the vessel through an inlet nozzle (14) with a particle bed (24) in the vessel, said inlet (14) having a fluid distributor (20) comprising a conduit (36, 72) for receiving a fluid stream from outside the vessel through an inlet member (22, 22) and a plurality of partitions (42, 44, 46, 48, 50 and 52, 74, 76, 78) characterised in that said plurality of partitions subdivide at

least half of the cross-sectional area of said conduit (36, 72) into at least two annular zones, said fluid distributor (20) comprising a series of outlet bands (54, 56, 58, 60, 62 and 64, 90, 100) spaced and centered along the longitudinal axis of said conduit (36, 72) with each of the said outlet bands being located along the outer boundary of its respective collection zone and said outlet bands being bordered by partitions that place that outlet band (54, 90) located nearest said inlet (14) in contact with the outermost of the said collection zones and the succeeding outlet bands having an increased axial spacing from said inlet in connection with said collection zones having progressively increasing inward locations, said fluid distributor comprising a series of perforations spaced at regular intervals above the circumference of each of the said outlet bands.



Complete Specification 19 Pages; Drawing Sheets 2.

Ind. Cl. : 206E

179963

Int. Cl.4 : G06C 21/00.

A DATA PROCESSING SYSTEM.

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, OF ARMONK, NEW YORK 10504, UNITED STATES OF AMERICA.

Inventors : FANCIS MICHACE BONEVENTO, DOUGLAS RODERICM CHISHOIM, SAMMY DAVES DODDS, DHARUVKUMAR MANAROHARDAS DESAI, ERNEST NEISH MANDESE, ANDREW BOYCL MCNEIL, RICHARD NEIJ MENDELSON.

Application for Patent No. 645/Del/90 filed on 26-6-1990

Convention date 10-4-90/9008084.7/U.K.

Appropriate Office for Opposition Proceedings (Rules 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

Claims 5

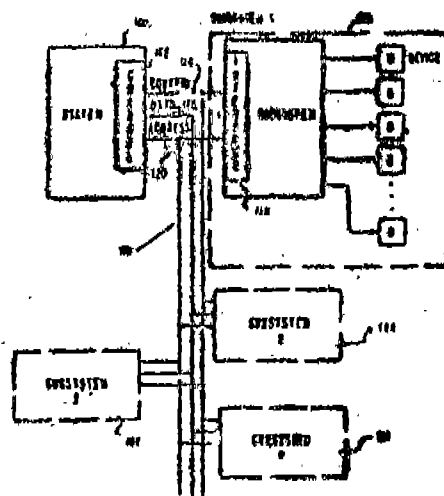
A data processing system including a host system and at least one subsystem which may have attached devices, comprising

a command interface coupled between said host system and said one subsystem for transferring information therebetween said command interface including

a first port coupled to said host system for receiving a direct command or an indirect command from said host system which commands are indicative of a type of operation to be performed by said one subsystem or an attached device and

a second port coupled to said host system for receiving from said host system a code indicative of which one of said direct command or said indirect command is received at said first port, and also being indicative of which one of said one subsystem or an attached device is to execute the command received at said first port.

FIG. 1



(Complete Specification 76 Pages Drawing Sheets 30 Pages)

Ind. Cl. : 40B

179964

Int. Cl.4 : B 01 J 31/22.

A PROCESS FOR MAKING ORGANOSILANE COMPOUNDS.

Applicant : HIMONT INCORPORATED, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 2801 CENTERVILLE ROAD, P. O. BOX 15439, WILMINGTON DELAWARE 19850-5439, UNITED STATES OF AMERICA.

Inventor : STEWART CONSTANTINE ALLISON.

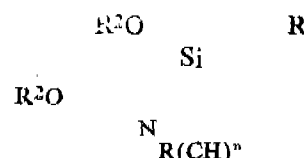
Kind of Application : Complete.

Application for Patent No. 652/D/90 Filed on Date 27-6-90.

Appropriate Office for Opposition Proceedings (Rules 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

Claims 12

A process for making organosilane compounds of the general formula,



Wherein R is a linear or branched C alkyl, 4-methylpiperidyl, aryl or cycloalkyl, R' is hydrogen, methyl or ethyl; R² is methyl or ethyl and; and n is 4 to 7, by (a) reacting a 4 to 8 membered nitrogen-containing heterocyclin ring compound with a lithium alkyl in the presence of a conventional solvent; (b) then reacting the reaction mixture of (a) with a silane compound having the formula R₃SiX (R³). Wherein R is as defined above, R³ is methoxy or ethoxy, X is chlorine or bromine, m is 0 or 1, p is 0, 2 or 3, t is 0, 2 or 3, and M+p+t is 4; (c) reacting the product of (b) with a lithium alkoxide in the presence of a conventional solvent; and (d) recovering the producting and known manner.

Complete Specification 24 Pages Drawing Sheets - NIL

Ind. Cl. : 32F_a C+D+40F

179965

Int. Cl. : C07C 37/00

AN IMPROVED PROCESS OR THE SEPARATION OF 1, 4 BENZOQUINONE, PHENOL, CATECHOL AND HYDROQUINONE SIMULTANEOUSLY FROM THE MIXTURE FORMED DURING HYDROXYLATION OF PHENOL.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI 1860).

Inventor : PROMOD PRABHAKAR MOGHE, AMRUTA SANJEEV TAMBE, SUJATA SUKURTI BISWAS, ASHWINI VINAYAK POL, BHADHAV GOPAL KOTASTHANE, RAKESH KONDIRA BAHIRAT.

Application for Patent No. 647/Del/90 filed on Date 27-6-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

Claims 2

An improved process for the separation of 1, 4-benzoquinone, phenol, catechol and hydroquinone simultaneously from the mixture formed during hydroxylation of phenol which comprises passing the said mixture containing 1, 4-benzoquinone, phenol catechol and hydroquinone through a column packed with tri (4-(2-phenylisopropyl) phenyl) phosphate 5-10% by weight and 90-95% by weight of a flux consisting of acid washed, silanised, calcined diatomaceous earth of 60-100 mesh, eluting with nitrogen gas at the rate of 30 ml to 40 ml/min. at a temperature ranging from 150° C to 200°C.

(Complete Specification 9 Pages Drawing NIL Sheets).

Ind. Cl. : 35 E.

179966

Int. Cl. : CO 4B 38/06.

PROCESS OF FORMING REFRACTORY MASS ON A SURFACE SUCH AS A REFRACTORY WALL.

Applicant : GLAVERBEL, A BELGIUM COMPANY, OF CHAUSSEE DE LA HULPE, 166, B-1170 BRUSSELS, BELGIUM.

Inventor : PIERRE ROBYN, LEON PHILIPPE MOTTET, ALEXANDRE ZIVKOVIC.

Application for Patent No. 657/Del/90 filed on Date - 28-06-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

Claims 11

A process of forming a porous refractory mass on a surface such as a refractory wall, which comprises projecting an oxidizing gas against that surface together with a powder mixture which comprises refractory particles of the kind such as herein described and particles of fuel of the kind such as herein described which reacts exothermically with the oxidizing gas to form refractory oxide and release sufficient heat to melt at least the surfaces of the refractory particles so that they bond together to form the refractory mass, wherein said powder mixture is mixed with porosity inducing particles having a maximum particles size of less than 2 mm, said porosity inducing particles including a material which burns to yield gaseous combustion product such as carbonaceous material and/or particles of a material which decomposes to release gas such as intumescent material and/or hollow or porous refractory particles and/or hollow or porous particles of a vitreous material or of a glass forming material, which become incorporated in the resulting refractory mass which is porous.

(Complete Specification 20 Pages;

Drawing. NIL)

Ind. Cl. : 4A1

179967

Int. Cl. : B 64C 9/00.

APPARATUS FOR TRIMMING THE RUDDER OF A PROPELLER AIRCRAFT.

Applicant : PILATUS FLUZEUGWERKE AG, A SWISS COMPANY OF CH-6370 STANSCE SWITZERLAND.

Inventors : ALBERTO TURI, ALBINO CERVIA, BARMETTLER, OTTO ZIMMERMANN.

Application for Patent No. 666/Del/90 and filed on dated 2-7-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

Claims-4

A rudder trimming apparatus for trimming the rudder of a Propeller aircraft having a propeller shaft in order to maintain the flight direction upon changing the flight velocity or the engine power of the propeller aircraft, said apparatus comprising :

a trim flap articulate to the rudder;

a trim motor for pivoting the trim flap;

actuating means connected to said trim motor for actuating the trim motor;

a flight velocity sensor for determining the flight velocity of the aircraft;

a torque sensor for determining the torque of the propeller shaft of the propeller; and

an electronic control device connected to said flight velocity sensor and said torque sensor and responsive to the flight velocity determined by the flight velocity sensor and to the torque of the propeller shaft determined by means of the trim motor into a required position.

(Complete Specification 17 Pages and 4 Drawing Sheet.)

Ind. Cl. : 69 B

179968

Int. Cl. : H01H 31/00.

CIRCUIT BREAKER FOR HIGH AND MEDIUM VOLTAGE.

Applicant : GEC ALSTHOM S. A. A FRENCH COMPANY, OF 38, AVENUE KLEBER, 75116 PARIS, FRANCE.

Inventors : EDMOND THURIES, DENIS DUFOUR-
NET MICHEL PERRET.

Application for Patent No. 667/Del/90 filed on 2-7-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

Claims-3

A circuit breaker for high and medium voltage, comprising a gastight cylindrical casing (1) having an axis (xx) and filled with a dielectric gas,

a fixed main contact (4) surrounding a fixed arcing contact (5) said fixed contacts being mounted in said casing and being connected to a first terminal.

a main moving contact (9) made of a first metallic tube, said moving contact (9) being provided with at a first end an insulating blast nozzle (10),

a second metallic tube (6) coaxial to said first tube and mechanically fixed to said first tube by an insulating ring (11) provided with holes (12),

a first end (6A) of said second tube constituting a movable arcing contact, a second end of said second tube being connected to an insulated driving rod (8),

said first and second tubes defining with said ring (11) a blast volume (VI) closed by a blast fixed piston (14) fixed to a third metallic tube (15) electrically connected to second terminal,

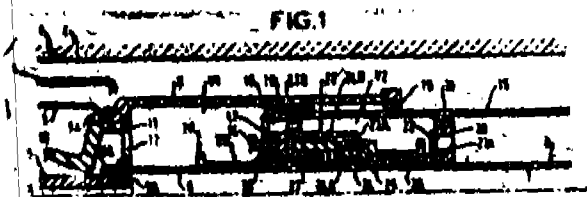
said circuit breaker further comprising a fourth tube in contact with and located outside said second tube (6), said fourth tube comprising an insulating portion (29) located between said blast piston (14) and said second tube (6) and a second portion (25), made of metal, located outside said blast volume (VI) and in electrical sliding contact with said second tube (6) by means of sliding electrical contacts (26), said second portion being fixed to a second piston (20) sliding in the annular volume comprised between said first (9) and said third (15) tubes outside said blast volume (VI),

said third tube (15), said fourth tube (29-25), and blast piston (14) and said second piston (25) defining a second volume (V2),

said blast piston (14) carrying a first secondary arc contact (23) located inside second volume (V2),

said second portion (25) of said fourth tube carrying a second secondary arcing contact (24A) located inside said second volume (V2)

a spring (27) being located inside said second volume (V2) and extending between said blast piston (14) and said second piston (20), said blast piston and said second piston (20) having apertures (16), (21A) provided with valves (17, 22).



(Complete Specification 12 Pages and 2 Drawing Sheets.)

Ind. Cl. : 172C9

179969

Int. Cl. : B65H 54/68.

APPARATUS FOR REMOVING FIBER FRACTION FROM SEED COTTON.

Applicant : COTTON INCORPORATED, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF TENNESSEE, UNITED STATES OF AME-

RICA, OF 1370 AVENUE OF THE AMERICAS, NEW YORK, NEW YORK 10019, UNITED STATES OF AMERICA.

Inventors :

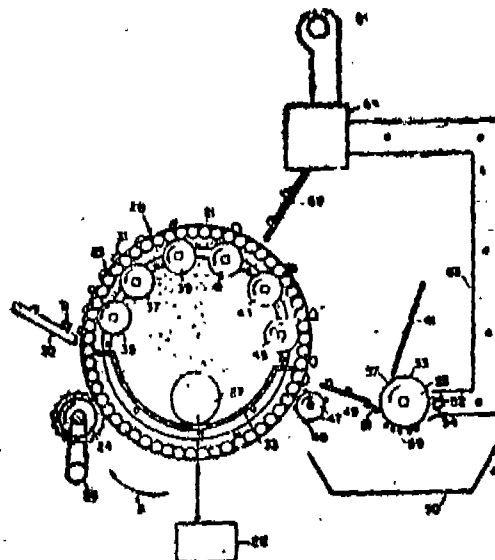
LAMBERT HENRY WILKES
WILLIAM FRANCIS LALOR
MARTIN MEHNER.

Application for Patent No. 670/Del/90 filed on 3-7-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office Branch, New Delhi-110005.

Claims 9

An apparatus for removing fibre fractions from seed cotton comprising a plurality of freely rotatable cage rollers (21) mounted in a cage (23) substantially parallel to one another, said plurality of cage rollers (21) being rotatably drivable in a continuous path that surrounds an interior space, said continuous path of said cage rollers (21) having a first side comprising a working surface for receiving the seed cotton and a second side opposite said first side, a plurality of fiber separating nip rollers (36), (37), (39), (41), (43), (45), mounted within said cage, (23) each of said fiber separating nip roller (35), (37), (39), (41), (43), (45), having an outer peripheral surface that is positioned in abutting relation to the cage rollers (21) on said second side of said continuous path of said cage rollers (21) to thereby apply a force to the cage rollers (21), a fiber removing pipe (27) located within the interior space surrounded by said cage rollers (21) and connected to a source (28) of suction for drawing fiber into the interior space for being (41), nipped by fiber separating nip rollers (35), (37), (39), (41), (43), (45) and for removing fibers that have been nipped by the fiber separating nip roller (35), (37), (39), (41), (43), (45) and a material supply unit (30) located adjacent a first fiber separating nip roller (35), a conveying device (47), (53), (63), (65) (69) being provided for conveying unginned seed cotton that has been retrieved from the working surface of the continuous path (23) back to said working surface at a point located between the first fiber separating nip roller (35) and another fiber separating nip roller (43) located downstream from the first fiber separating nip roller (35) whereby efficiency of fiber separation from the seed is improved.



(Complete Specification *27* Pages & Drawings Sheets 3)

Ind. Cl. : 86 B

179970

Int. Cl. : A 47 BJ 45/00.

AN IMPROVED WALL PANEL MEANS FOR HANGING OBJECTS OR HOLDING STORAGE DEVICES.

Applicant : HAR PRAKASH SINGH, C-273, PHASE II, MAYAPURI, NEW DELHI-64.

Inventor : HAR PRAKASH SINGH.

Application for Patent No. : 671/Del/90 filed on Dated 5-7-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

Claims 5

An improved wall panel means for hanging objects or holding storage devices comprising a body having at least one longitudinal runner slot; wherein the said runner slot having a ceiling portion, an upstanding wall portion and a base portion; said base portion; having a longitudinal slit which is half its breadth; the said runner slot receives a link member; said link member having a downwardly directed hook element which can slide in the said slit and thereby support the hanging object or hold the storage devices.

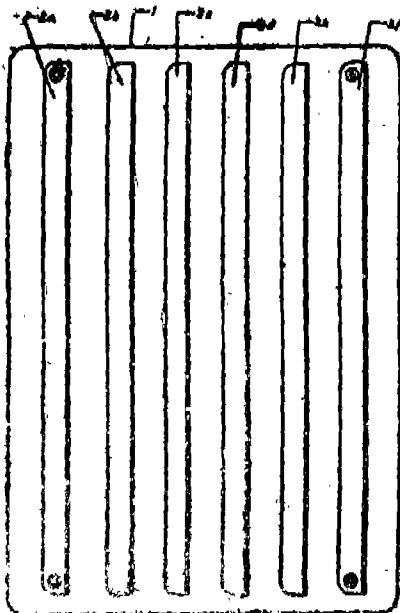


FIG. 1

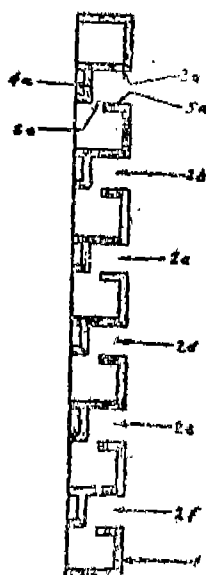


FIG. 2

(Complete Specification 4 Pages;

Drawing Sheets 2)

Ind. Cl. : 130(F), 130(I)

179971

Int. Cl. : C 22 B 11104.

AN IMPROVED PROCESS FOR THE RECOVERY OF SILVER FROM COLOUR BLEACH-FIX SOLUTION.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, REFI MARG, NEW DELHI-110001.

Inventor : NATRAJAN SATHIYAN, JAINUL ABDEEN AMEER MOHINDEEN ABDUL KADER, PITCHAI MUTHU ADAKKALAM, SRINIVASA IYER VISVANATHAN.

Application for Patent No. 530/Del/90 filed on Dated on 5-6-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

Claims 6

An improved process for the recovery of silver from colour bleach fix solution which comprises treating the bleach fix solution with activated charcoal powder at 353K and a pH of 6.8 adding a sulphur compound with stirring to the resultant treated solution to reduce the ferric ion to ferrous state subjecting the resultant solution to electrolysis at a constant potential of -1.0V with respect to Saturated Calomel Electrode in a divided cell provided with a cation exchange membrane between a rotating cylindrical cathode made of stainless steel and nickel plated mild steel or cobaltite spinel as anode in sodium hydroxide solution at a cathode current density in the range of 66-25Am² and the anode current density in the range of 26-10Am².

(Complete Specification 13 Pages

Drawing Sheets-NIL)

Ind. Cl. : 143D4

179972

Int. Cl. : B5B 1/02.

AN OVERWRAPPING MACHINE FOR WRAPPING THE PRODUCTS.

Applicant : KHOSLA ENGINEERS. INDUSTRIAL AREA, PHASE-II, MOHALI-160051, PUNJAB.

Inventor : RAJESH KHOSLA.

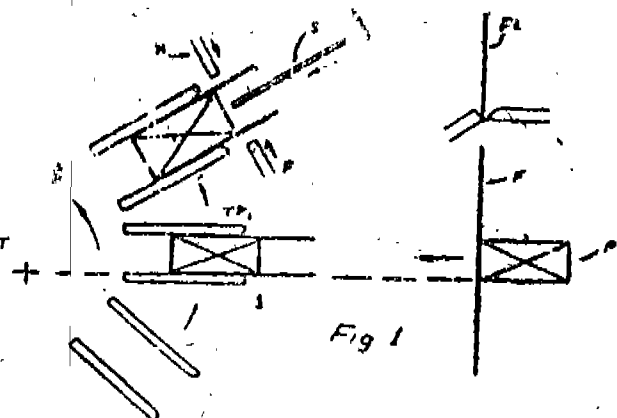
Application for Patent No. 534/Del/90 filed on 5-1-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

10 Claims

An overwrapping machine for wrapping the products with a fin type seal comprising a turret (T) having a plurality of pockets (PI) provided therein for accommodating a packet (P) therein to be wrapped, characterised in that means being provided to provide a fin type sealing of the wrapper, said means comprises a displaceable separator arm (S) secured to a separator motive means for causing said arm to be displaced either away or towards said product, a back support arm (F) secured to a back support motive means being provided on one side of said separator for causing a displacement of said support arm either away towards said product in an axis different than that of said separator arm (S), a heated folder arm (H) secured to a heated folder motive means being provided on the other side of said separator arm for causing a

displacement of said heated folder arm either away or towards said product in an axis different to that of said separator arm.



(Compl. Specn. 11 pages;

Drawngs. 2 sheets.)

Ind. Cl. : 188

179973

Int. Cl. : C 23 C 2/00.

LEAK-TIGHT VESSEL FOR CONTINUOUS OR NON-CONTINUOUS COATING OF OBJECTS WITH A LIQUID COATING PRODUCT AND APPARATUS INCORPORATING SAID LEAK-TIGHT VESSEL.

Applicant : FRANCE GALVA LORRAINE, A FRENCH COMPANY, OF ZONE INDUSTRIELLE LA SAUNIÈRE, 89600 SAINT FLORENTIN, FRANCE.

Inventor : JOSE DELOT.

Application for Patent No. 538/Del/90 filed on date 5-6-1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

Leak-tight vessel for continuous or non-continuous coating of objects (3) with a liquid coating product (2) passing there-through, said objects being passed along parallel passage axes offset in relation to a central axis of said vessel; the vessel being characterised by a tubular body (1) made of a material that is permeable to magnetic fields and unwettable by the liquid product (2) and at least one electromagnetic valve (6, 7) at each end (4, 5) of said tubular body (1), said valve (6, 7) having at least one multiphase field coil (11, 14) around said tubular body (1) to create a sliding magnetic field along the longitudinal axis of the said tubular body (1), said sliding magnetic field tending to push back the liquid coating product (2) towards the inside of the vessel, and a magnetic core (12, 15) being one with the tubular body (1) and extending along the axis of said tubular body (1) so as to make between said core (12, 15) and an internal wall of the tubular body (1), a passage of a suitable shape for passing said objects (3) longitudinally through said vessel.

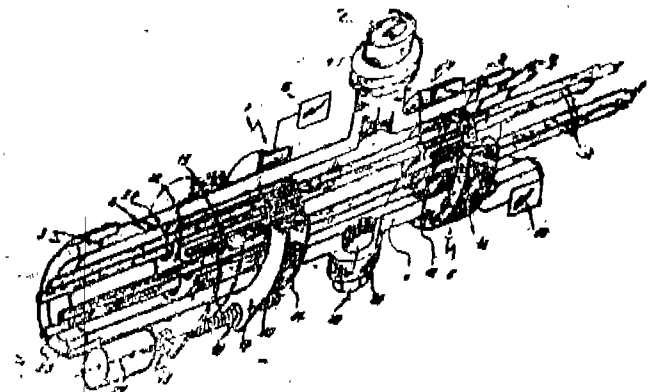


Fig 1

(Compl. Specn. 22 pages;
3-397/GI/97

Drawngs. 4 sheets)

Ind. Cl. : 34C, 14SE

179974

Int. Cl. : C21D 1/00, 3/00.

AN AQUEOUS SUSPENSION CONTAINING A DISPERSED SUBSTANCE AND A DISPERSING AGENT AND A PROCESS FOR PREPARING THE SAME.

Applicant : PLUS-STAFFER AG., A SWISS COMPANY, OF CH-4665 OTTRINGEN, SWITZERLAND.

Inventors :

1. MATTHIAS DBURI
2. DANIEL FREY.

Application for Patent No. 540/Del/90 filed on 6-6-1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

32 Claims

An aqueous suspension containing a dispersed substance and a dispersing agent, for use, inter alia, in the production of paper, said dispersed substance comprising one or more members selected from the group consisting of minerals fillers and pigments, to achieve a solids content of $\geq 60\%$ by weight and said dispersed substance carrying an external neutral or positive charge, and said dispersing agent comprising one or more members selected from the group consisting of :

- (a) amphoteric polyelectrolytes containing anionic and cationic monomer units, the number of negative charges in the anionic monomer units equaling the number of positive charges in the cationic monomer units;
- (b) cationic polyelectrolytes;
- (c) amphoteric cationic polyelectrolytes in which the non-neutral monomer units each carry a predominantly positive charge;
- (d) amphoteric anionic polyelectrolytes in which the non-neutral monomer units each carry a predominantly negative charge;
- (e) partially neutralized anionic polyelectrolytes;
- (f) partially neutralized amphoteric anionic polyelectrolytes in which the non-neutral monomer units each carry a predominantly negative charge;
- (g) or any combinations thereof; and
- (h) the dispersed substance carrying a neutral or positive charge to the outside.

wherein the dispersed substance is present in an amount of 97.0—99.98% by weight including water and dispersing agent is present in an amount of 0.02-3.0% by weight, if it is an amphoteric polyelectrolyte, a partially neutralized anionic or partially neutralized amphoteric Anionic polyelectrolyte or a combination thereof, and in an amount 0.11-3.0% by weight, if it is a cationic, amphoteric cationic or amphoteric anionic polyelectrolyte or a combination thereof.

(Compl. Specn. 116 pages;

Drawng sheet Nil.)

Int. Cl. : G11D 17/06.

179975

Ind. Cl. : 170B & D.

A PROCESS FOR PRODUCING HIGH ACTIVE DETERGENT PARTICLES.

Applicant : THE PROCTER & GAMBLE COMPANY.

Inventors :

1. FRANK JOSEPH MUELLER.
2. LESTER JOHN HOLLIHAN.

Application for Patent No. 557/Del/90 filed on date 8-01-1990.

Appropriate Office for Opposition Proceedings: (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

22 Claims

A process for producing high active detergent particles, which comprises.

(a) reacting in a continuous neutralization system such as herein described C_{12-18} alkyl sulfuric acid, or C_{10-18} alkyl benzene sulfonic acid, or mixtures thereof with an alkali metal hydroxide solution which is greater than or equal to 62% by weight of the hydroxide, to produce a neutralized product having less than or equal to 12% by weight of water;

(b) adding to said continuous neutralization system during formation of said neutralized product a polyelectrolyte selected from polyethylene glycol of a molecular weight between 4,000 and 50,000 ethoxylated nonionic surfactant of the formula $R(OC_2H_4)_nOH$, wherein R is a C_{12-18} alkyl group or a C_{8-18} alkyl phenol group and n is from 9 to 80, with a melting point greater than or equal to 120°F (48.9°C); or mixtures thereof;

wherein the weight ratio of the additive of step (b) to the product of step (a) is from 1:5 to 1:20; and

(c) forming detergent particles, particles in any known manner.

(Compl Specn. 23 pages

Drwng. Sheets Nil.)

Ind. Cl. : 94 A

179976

Int. Cl. : B 24 D 11/00.

A PROCESS FOR THE MANUFACTURE OF GRINDING MEDIA/PEBBLES.

Applicant : A. K. PATWARDHAN, OF METALLURGICAL ENGINEERING UNIVERSITY OF ROORKEE, ROORKEE-247667, INDIA, AN INDIAN NATIONAL.

Inventor : A. K. PATWARDHAN.

Application for Patent No. 561/Del/90 filed on date 11-06-1990.

Complete left after provisional specification on 10-09-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

3 Claims

A process for the manufacture of grinding pebbles comprising in casting pebbles from cast iron by known method characterised in that the pebbles being casted from unalloyed cast iron such as white cast iron subjecting said pebbles to a step of graphitization for a period of 5 to 300 minutes by heating at a temperature of 700 to 950°C and then subjecting said pebbles to the step of oil quenching so as to obtain pebbles having the required wear resistance and fracturing resistance properties.



Fig 1a



Fig. 1c

(Compl. Specn. 27 pages;

Drng. 1 sheet.)

(Prov. Specn. 6 pages;

Drng. 1 sheet.)

Ind. Cl. : 127 DI

179977

Int. Cl. : B65B 65/00.

A GEARING FOR DRIVING A CO-ROTATIONAL TWO-SHAFT MACHINE.

Applicant : RHODIA AKTIENGESSELLSCHAFT, / GERMAN COMPANY OF ENGESSERSTRASSE-8, POSTFACH 1320.7800 FREIBURG, WEST GERMANY.

Inventor : HERR RUDIGER DOLLHOPF.

Application for Patent No. 563/Del/90 filed on date 11-06-1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

12 Claims

A gearing for driving a co-rotational two-shaft machine, in particular for driving a double screw extruder having two co-rotating screws positioned at a given distance which comprises .

an intermediate gear (5);

an internally toothed ring gear (6);

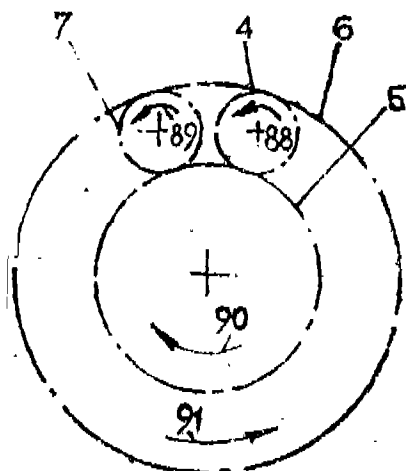
two pinions (4, 7) of equal size and having teeth engaging with said intermediate gear (5) and said internally toothed ring gear (6), one of said pinions being a driving pinion (4) and second being output pinion (7);

a single driving shaft (1) extending at one end of the gearing beyond said driving pinion (4) and connected thereto;

to axis, parallel output shafts (2, 3) at the other end of said gearing, said pinions being mounted thereon, said driving pinion (4) being also positioned on said driving shaft, said output pinion (7) being positioned on the second output driving shaft (3);

and being located offset to said driving pinion in the axial direction by said distance between said two shafts of the machine respectively or said two screws of the extruder;

the first output shaft (2) being positioned on the side of the driving pinion (4) opposite the driving shaft, and driving shaft and said first output shaft (2) forming a continuous



(Compl. Specn. 17 pages;

Drawngs. 2 sheets.)

Ind. Cl. : 152 F

179978

Int. Cl.⁴ : C08L 3/02.

A COMPOSITION CAPABLE OF BEING FORMED INTO ARTICLES HAVING SUBSTANTIAL DIMENSIONAL STABILITY.

Applicant : WARNER-LAMBERT COMPANY, 201 TABOR ROAD MORRIS PLAINS, N.J. 07950 USA.

Inventors :

1. JEAN-PIERRE SACHETTO.
2. DAVID JOHN LENTZ.
3. JAKOB SILBIGER.

Application for Patent No. 569/Del/90 filed on date 12-6-1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

12 Claims

A composition capable of being formed into articles having substantial dimensional stability comprising :

(a) from 20% to 99% of destructurized starch of the kind such as herein described;

(b) 1% to 50% by weight of total composition of at least one copolymer selected from the group consisting of poly/vinyl alcohol-co vinyl acetate, ethylene vinyl alcohol/vinyl acetate copolymers, ethylene/vinyl chloride/vinyl alcohol/vinyl acetate graft copolymers, vinyl alcohol/vinyl acetate/vinyl chloride copolymers, vinyl alcohol/vinyl acetate/vinyl chloride/diacryl amide copolymers, vinyl alcohol/vinyl butyral copolymers, vinyl alcohol/vinyl acetate/vinyl pyrrolidone copolymers wherein the vinylalcohol units are present in an amount of 20 mol% to 90 mol%;

(c) a thermoplastic polymer capable of undergoing melt formation at a set processing temperature within the range of 95°C to 240°C (preferably 95°C to 190°C) and is selected from (i) the group consisting of polyethylenes, polypropylenes, polyisobutylenes, polystyrenes, polyacrylonitriles, poly(vinylcarbazols), polyacrylates, polymethacrylates, poly(vinyl chloride), poly(vinyl acetate), polyamides, thermoplastic polymers, thermoplastic polyurethanes, polycarbonates, poly(alkylene terephthalates), or (ii) the group consisting

of ethylene vinyl acetate copolymer, ethylene/vinyl alcohol copolymers, ethylene/acrylic and acid copolymers, ethylene/ethyl acrylate copolymers, ethylene/methacrylate copolymers, ABS-copolymers, styrene/acrylonitrile copolymers, ethylene/maleic acid anhydride copolymers and mixtures thereof; such that the sum of components (b) and (c) constitutes 1% to 80% by weight of total composition; and

(d) the balance, if any, of one or more materials selected from the group consisting of fillers, lubricants, mold release agents, plasticizers, forming agents, stabilizers, flow accelerators, coloring agents, pigments and mixtures thereof.

(Compl. Specn. 51 pages;

Drawng. Nil.)

Ind. Cl. : 70 B, 173 A

179979

Int. Cl.⁴ : B 01 J 4/00.

A POINT FEEDER FOR FEEDING ADDITIVES TO ALUMINIUM ELECTROLYSIS CELLS.

Applicant : NORSE HYDRO A.S., A NORSEIAN COMPANY OF BYGDOY ALLE 2,0257 OSLO 2, NORWAY.

Inventors :

1. KJELL M. DALEN.
2. ALFRED KVALAVAG.
3. BERNT NAGELL.

Application for Patent No. 575/Del/90 filed on date 13-6-1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

6 Claims

A point feeder for feeding additives to aluminium electrolysis cells, said additives being fed to the electrolytic bath of a cell through a hole in the bath crust via a pipe (28), said point feeder comprising a crust breaker consisting of a crow bar (14), said crow bar being connected with a piston/cylinder device (13) characterized by a housing having an upper, wholly or partly open part (3, 4) and a lower closed part (5), a guide (17) in the form of a bushing being located between said upper and lower parts, said crow bar extending down through (17) said guide and said pipe (28) being connected to the lower part (5) of said housing, or being provided under the lower part (5) of said housing.

(Compl. Specn. 11 pages;

Drawng. 1 sheet.)

Ind. Cl. : 1. 62D XXII (1)

179980

2. 32 (C) IX
3. 170 D.

Int. Cl. : 1. C08 L 39/00.

2. C 11 D 1/00.

A FIBER CONDITIONING COMPOSITION.

Applicant : COLGATE PALMOLIVE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 300 PARK AVENUE, NEW YORK, NEW YORK-10022, UNITED STATES OF AMERICA, HEREBY DECLARE.

Inventors :

1. AMRIT MANILAL PATEL.
2. CLARENCE RALPH ROBBINS.

Application for Patent No. 582/Del/90 filed on date 14-6-1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

16 Claims

A fiber conditioning composition comprising by weight 0.1 to 3% of a cationic surface active fiber conditioning agent of the kind such as hereinbefore described, 0.1 to 5% of a normally water insoluble solid poly-lower alkylene having 1 to 5 carbon atoms, 0.1 to 10% of a normally liquid hydrocarbon or mixture of hydrocarbons of the kind such as hereinbefore described to make said poly-lower alkylene water dispersible in the presence of said fiber conditioning agent, up to 35% of a water soluble synthetic organic detergent of the kind such as hereinbefore described, an aqueous medium of up to 95% by weight water and the balance if any comprising adjuvants of the kind such as hereinbefore described.

(Compl. Specn. 33 pages;

Dwg. sheet Nil.)

Ind. Cl. : 170(A)

179981

Int. Cl.⁴ : C 11 D, 1/722.

COATED PERFUME PARTICLES.

Applicant : THE PROCTER & GAMBLE COMPANY, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO, UNITED STATES OF AMERICA, AND MINNESOTA MINING AND MANUFACTURING COMPANY, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE OF 3M CENTER, BUILDING 220-12W-01, ST., PAUL, STATE-55144-1000, UNITED STATES OF AMERICA.

Inventors :

1. DIANE GROB SCHMIDT.
2. HOWARD JOHN BUTTERY.
3. ROBERT JAMES NORBURY.

Application for Patent No. 439/Del/90 filed on 8-5-1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

9 Claims

Coated perfume particles having an average size, when coated, of less than about 350 microns which comprise from 5% to 70% of a perfume dispersed in from 30% to 95% of a water insoluble polymeric carrier material such as herein described having a molecular weight of from 100 to 30,000, a melting point of from 37°C to 190°C, and a hardness value of from 0.1 to 15, said particles having a substantially water insoluble variable coating of the kind such as herein described on their outer surfaces, wherein the coating on the perfume particles comprises 20% by weight of the perfume particles, said coated particle having an average size less than 350 microns.

(Compl. Specn. 24 pages;

Dwg. sheet Nil.)

Ind. Cl. : 170(A)

179982

Int. Cl.⁴ : C11D, 1/722.

A PERFUME PARTICULATE COMPOSITION.

Applicant : THE PROCTER & GAMBLE COMPANY, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO, UNITED STATES OF AMERICA.

Inventor : DIANE GROB SCHMIDT.

Application for Patent No. 440/Del/90 filed on 8-5-1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

9 Claims

A perfume particulate composition having an average size of less than 350 microns which comprise from 5% to 70% of a perfume dispersed in from 30% to 95% of a water-insoluble polymeric carrier material such as herein described having a molecular weight of from 100 to 30,000, a melting point of from 37°C. to 190°C., and a hardness value of from 0.1 to 15, said particles optionally further comprising one or more of the following; from 5% to 50% of a pH-sensitive material coating such as herein described coating the outside surface of the particle; from 0.5% to 10%, by weight of the perfume particles of a plasticizer material such as herein described; from 1% to 25% of a fabric substantive material coating the outside surface of the particle, wherein said fabric substantive material is selected from the group consisting of dialkylalkyl di-methylammonium methylsulfate, ditallowalkyl-dimethylammonium chloride, dicocnutalkyl dimethylammonium methylsulfate, dicocnutalkyl dimethylammonium chloride, and mixtures thereof; and a water-soluble material such as herein described coating the outside surface of the particle.

(Compl. Specn. 53 pages;

Dwg. sheet Nil.)

Int. Cl. : G 61 R 19/00.

179983

Ind. Cl. : 126 C.

APPARATUS FOR MONITORING TEMPERING OF AN ELECTRIC SUPPLY TO A LOAD.

Applicant : POLYMETERS RESPONSE INTERNATIONAL LTD., AN ENGLISH COMPANY, OF PRI HOUSE MOORSIDE ROAD, WINNALL INDUSTRIAL ESTATE, WINCHESTER, HAMPSHIRE, SO23 7RX, ENGLAND.

Inventors :

1. SANJAYA SINGHAL.
2. KRISHNA KUMAR YADAV.

Application for Patent No. 460/Del/90 filed on 15-5-1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

8 Claims

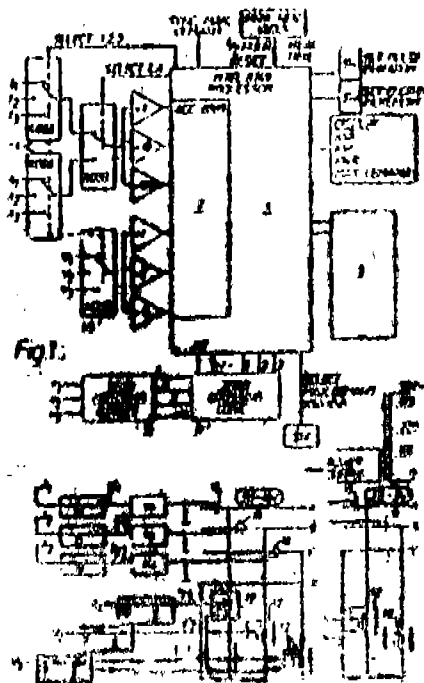
Apparatus for monitoring tempering of an electric supply to a load comprising :

First sensing means for detecting supply voltage in each phase of the supply line.

Second sensing means for detecting load current of power consumption by load corresponding to the detected voltage in each phase of the supply line.

Output of the first and second sensing means being connected to microprocessor means responsive to said sensed voltage and said sensed current or power consumption which

indicates that temporing has occurred in the apparatus when load current or power consumption is detected in the absence of a detected voltage.



(Compl. Specn. 11 pages;

Drawings. 3 sheets.)

Int. Cl. : 32E & 140B1

179984

Int. Cl. : C10M 127/02.

OIL COMPOSITION.

Applicants : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. A NETHERLANDS COMPANY, OF CAREL VAN BYLANDT LAAN 30, 2596 HR, THE HAGUE, THE NETHERLANDS.

Inventors : WILLIEM SJARDIJN, WILHELMINA JOHANNA MARIA VAN DER LINDEN LEMMERS, MARINUS JOHANNES REYNHOUT AND HENDRIK SCHADENBERG (NETHERLANDS).

Application for Patent No. 473/Del/90 filed on 17-05-1990.

Convention No. 8911611.5 date 19-05-89 country U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

7 Claims

Oil composition comprising mineral oil and from 0.001% to 2% by wt of the composition an additive, said additive being a copolymer of two alpha-olefins containing at least 16 carbon atoms copolymerized in any manner such as hereinafter described.

(Compl. Specn. 11 pages;

Drawng. Nil)

Ind. Cl : 116 C

179985

Int. Cl. : B 65 G, 15/00.

"ENDLESS DRIVE BELT, METHOD AND DEVICE FOR PRODUCING SAID ENDLESS DRIVE BELT".

Applicant : FENRIR AG., A SWISS CORPORATION, C/o STRAUB, MOSER, STRAUB HANIBUHL 8, CH-6300 ZUG, SWITZERLAND.

Inventors : YONATHAN SCHEININ.

Application for Patent No. : 483/Del/90 filed on 18-05-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Branch, New Delhi-110 005.

(Claims 40)

An endless drive belt, comprising :

a compression member belt (2) having a surface and comprising a solid but softenable elastic material comprising a first elastomer; and

a load-carrying layer (4) constituted by a plurality but at least more than one full turn of a load-carrying member (6) wound along and around said surface of said compression member belt (2), and load-carrying member (6) comprising a cord (8) embedded in an envelope (10) comprising a solid but softenable elastic material comprising a second elastomer, characterised in that said second elastomer is fusable with said first elastomer and that said turns of said wound layer (4) of said load-carrying member (6) are intimately bonded to said surface of said compression member belt (2), the interface between said turns and said surface comprising fused material from both an adjacent surface layer of said envelope (10) of said cord of said load-carrying member (6) and as adjacent surface layer of said surface of said compression member belt (2), said turns being at least partially impressed in said surface.

FIG. 1

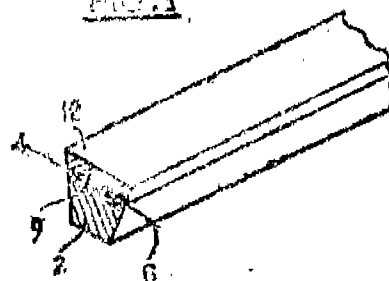
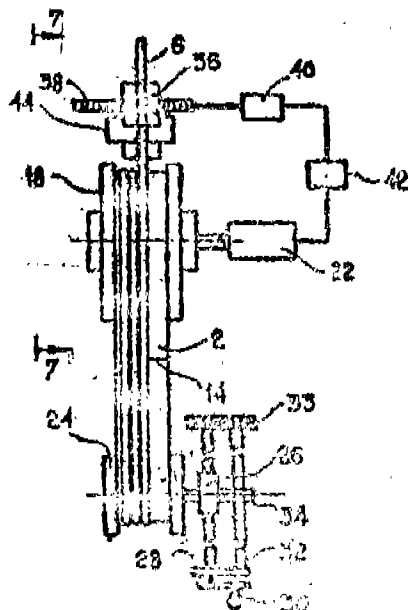


Fig 5



(Complete Specification : 24. pages; Drawings : 3 Sheets)

Int. Cl.⁴ : E21D, 1/00,
F27B, 1/00.

179986

Ind. Cl. : 85R
129C

COUPLING DEVICE BETWEEN DRILLING ROD AND WORKING TOOL OF DRILLING MACHINE FOR DRILLING TAPHOLE OF SHAFT FURNACE.

Inventors : (1) JEAN METS,
(2) SEVERINO VENTURINI.

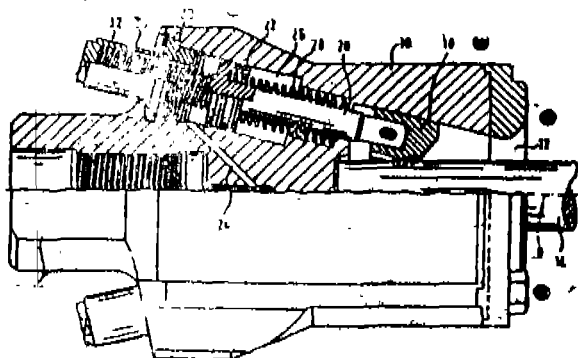
Applicant : PAUL WURTH S. A. A COMPANY ORGANISED UNDER THE LAWS OF GRAND DUCHY OF LUXEMBOURG OF 32 RUE ALSACE, L-1122 LUXEMBOURG.

Application for Patent No. : 490/Del/90 filed on 21-05-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Branch, New Delhi-110 005.

(Claims : 4)

Coupling device between drilling rod and working tool of a drilling machine for drilling taphole of a shaft furnace, said device comprising a chuck to be secured to the working tool, said chuck having a front cavity for receiving an end of said rod for drilling, a gripping means for fastening the end of the said rod in said cavity, said gripping means consisting of at least two sliding rods located symmetrically about an axis of said cavity, each said sliding rod for rod carrying at one end thereof, a jaw for grasping said end of said sliding rod carrying a piston, each said piston being exposed on one side thereof to the action of a pneumatic or hydraulic fluid in order to close the gripping means by urging penetration of said jaws into the rod for drilling, opposite side of said piston abutting elastic means which act in opposition to said fluid, each of the said pistons slidably located in a sealed cylindrical chamber closed at the rear by a plug characterised by a spring located between the said plug and the adjacent face of said piston, said spring being strong enough to keep said piston away from the plug in opposition to the action of the said elastic means.



(Complete Specification : 6 pages; Drawing : 1 Sheet)

Ind. Cl. : 126 D

179987

Int. Cl.⁴ : G 01 N 27/00.

"APPARATUS FOR PARTICLE DETERMINATION IN LIQUID METALS".

Applicant : ALCAN INTERNATIONAL LIMITED, A CANADIAN COMPANY, OF 1188 SHERBROOKE STREET WEST, MONTREAL, QUEBEC H3A 3G2, CANADA.

Inventor : RAYNALD HACHEY.

Application for Patent No. : 491/Del/90 filed on 21-05-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Branch, New Delhi-110 005.

(Claims : 20)

Apparatus for particle determination in liquid metals comprising the detection and measurement of particle in liquid metal, the apparatus comprising :

electrically insulating wall means (16) having a passage (22) therein for the passage of molten metal therethrough;

molten metal flow inducing means (24) for urging molten metal through said passage (22) in the form of a stream thereof;

a pair of current supply electrodes (12, 14) disposed on opposite sides of said wall means (16) for insertion into the liquid metal to establish a current path between said pair of current supply electrodes (12, 14) through said passage (22);

current supply lead means (30, 32) connected respectively to said current supply electrodes (12, 14) for passing a current in the current path from a source thereof;

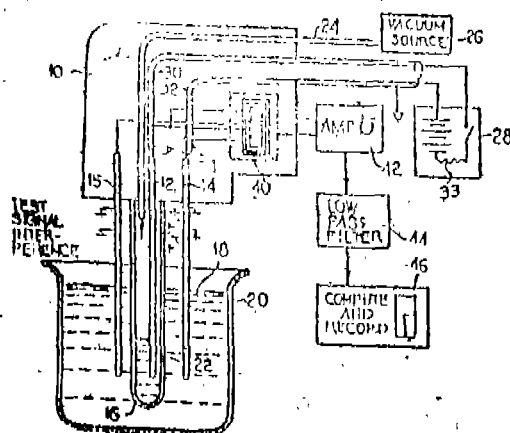
at least a third electrode (15) for insertion into the liquid metal with said first-mentioned pair of current supply electrodes (12, 14);

test lead means connected to a pair of said electrodes (12, 14, or 12, 15) on opposite sides of said wall means (16) for connection to detection means (40, 42, 44, 46) for detecting the voltage difference between said pair of electrodes (12, 14 or 12, 15) resulting from the current and for detecting changes in the voltage difference resulting from the passage of differently-conducting particles through the passage (22) and for the consequent production of a corresponding test signal;

said last-mentioned pair of said electrodes (12, 14 or 12, 15) constituting at least part of an interference antenna producing an interference signal from incident electric interference, which interference signal is super imposed on said test signal;

Wherein another pair (12, 15, or 12, 14) of said three electrodes constituting a cancellation antenna are disposed adjacent the said interference antenna to produce an interference cancellation signal from the said incident interference;

and signal adding means (40 or 68) are connected to said test lead means for adding said interference cancellation signal to the said test signal in opposition to the interference signal to at least reduce the amplitude of the interference signal.



(Complete Specifications : 33 pages; Drawings : 11 Sheets)

Ind. Cl. : 140A2

179988

Int. Cl. : C10M 103/22.

"LUBRICATING OIL COMPOSITION FOR INTERNAL COMBUSTION ENGINES"

Applicant : THE LUBRIZOL CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF 29400 LAKELAND BOULEVARD, WICKLIFFE, OHIO 44092, UNITED STATES OF AMERICA.

Inventors : STEPHEN HAROLD ROBY.

Application for Patent No. : 512/Del/90 filed on 28-05-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Branch New Delhi-110 005.

11 Claims

A lubricating oil composition for internal combustion engines which comprises :

- (A) a major amount of oil of lubricating viscosity;
- (B) at least 1.0% by weight of at least one carboxylic derivatives which is a reaction product of
- (B-1) at least one substituted succinic acylating agent with
- (B-2) at least one amine compound characterised by the presence within its structure of at least one HN group where-in said substituted succinic acylating agent consist of substituent groups and succinic groups whereis the substituent groups are derived from polyalkene, and polyalkene being characterised by an Mn value of 1300 to 5000 and an Mw/Mn value of 1.5 to 4.5 said acylating agents characterised by the presence within their structure of an average of at least 1.3 succinic groups for each equipment weight of substituent groups; and
- (C) at least one manganese compound in an amount sufficient to provide from 1 to 500 PPM of manganese as metal, provided that the manganese compound is not a natural manganese dihydrocarbyl phosphorodithioate.

(Complete Specification : 106 pages; Drawing : Nil)

Ind. Cl. : 32 E.

179989

Int. Cl. : C08F 210/14.

"A PROCESS FOR PREPARING A LIQUID POLYMER"

Applicant : THE LUBRIZOL CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF 29400 LAKELAND BOULEVARD, WICKLIFFE, OHIO 44092, UNITED STATES OF AMERICA.

Inventors : (1) ROGER LEE SOWERRY,
(2) CURTIS RICHARD SCHARF.

Application for Patent No. : 513/Del/90 filed on 28-05-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

18 Claims

A process for preparing a liquid polymer comprising contacting at least one alpha-olefin containing from 4-10 carbon atoms with a catalytic system comprising at least one primary or secondary organo halide such as herein described and a Lewis acid catalyst such as herein described in the presence of a halogenated solvent under conventional polymerisation conditions, optionally in the presence of upto 0.1 wt % of a protic compound.

(Complete Specifications : 36 pages; Drawing Sheet : Nil)

Ind. Cl. : 195 B XXIX (3)

179990

Int. Cl. : F 16 K 1/00.

"A DEVICE FOR THE USE ON THE PUBLIC HYDRANTS AND OTHER PLACES"

Applicant : HARJINDER KAUR, AN INDIAN NATIONAL OF A-65, SHIVALIK NAGAR, BHIL, HARDWAR, U.P.

Inventor : HARJINDER KAUR.

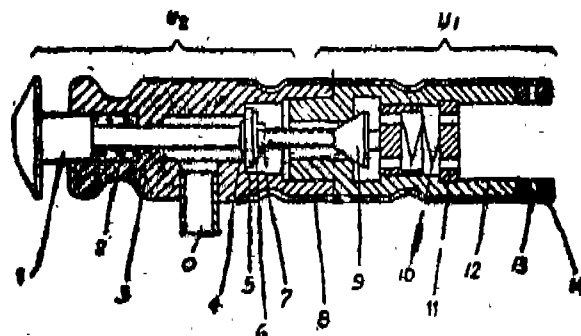
Application for Patent No. : 523/Del/90 filed on 30-5-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

3 Claims

A device for the use on the public hydrants and other places comprising a main unit (4) consisting of a housing (12) having a spring loaded main valve (9) disposed therein characterised in and locking means being provided for locking the device after fitting it on the service/supply pipe.

An operating unit comprising a housing having a plunger disposed therein so as to push the main valve of said main for pushing back said plunger to stop water supply, an outlet being provided in said housing for allowing the discharge of water there through.



(Complete Specifications : 8 pages; Drawing Sheet : 1)

Cl. : 32 (A-1)

179991

Int. Cl. : C 09 B 29/00.

"THE PROCESS OF PREPARING VINYL SULFONE DYE"

Applicant : HOECHST CELANESE CORPORATION, OF ROUTE 202-206 NORTH, SOMERVILLE, NEW JERSEY, UNITED STATES OF AMERICA.

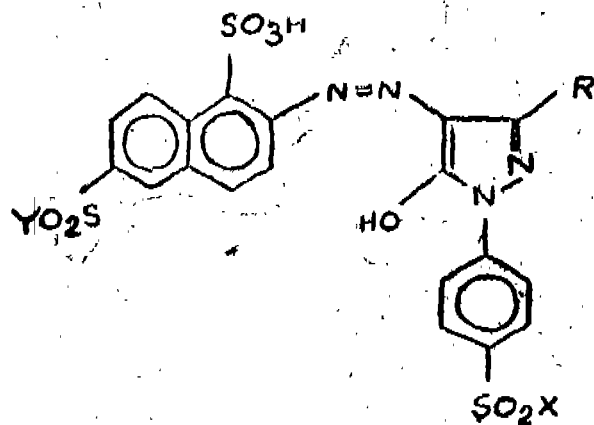
Inventors : (1) JOHN WALTER DONOVAN,
(2) FRANK PROSPER LAVIERI.

Application No. : 206/Cal/1993 filed on 8th April, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

A process for making a compound of the formula :



X and Y are independently a vinyl group, or a fiber reactive group of the general formula $-CH_2CH_2-Z$ wherein Z is chloro, sulfato, thiosulfato or phosphato, and R is, C1-C4 alkyl by the steps of :

coupling a phenyl compound with a diazonium salt.

(Compl. Specns. : 13 pages;

Drgns. Sheet : Nil)

CL : 129 C, F, G, H

179992

Int. Cl. : B 26 D 5/00

"A PENETRATING TOOL."

Applicant : CLEAR CUT LIMITED, OF INDUSTRIAL PARK T.M.D., MISHOR YEMIN, DERECH ORON (206) ARAVA 86800, ISRAEL.

Inventors : 1. DOV SHILKRUT, 2. BORIS SHEININ, 3. ROMAN GEBSTEIN, 4. RUDOLF BOTNER.

Application No. : 822/Cal/1993 filed on 10th June, 1993.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

17 Claims

A penetrating tool for penetrating a workpiece, comprising :

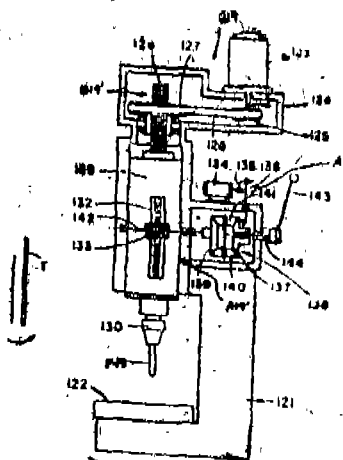
a penetrating element;

a basic displacement means (12) for establishing a basic displacement between the workpiece and the tool during which said displacement the penetrating action is provided;

an auxiliary displacement means (17) for imparting to said penetrating element an auxiliary displacement in the form of a reciprocating displacement superimposed on said basic displacement during said penetrating action and having a frequency and amplitude which, independent of reactions of the workpiece to penetration, are substantially invariant in time, said frequency of the auxiliary reciprocating displacement being substantially greater than a frequency of said basic displacement;

a balancing means (19) for generating a force in said system so as to substantially counterbalance inertial loads and reactions in said system set up by said auxiliary reciprocating displacement, said force being directed substantially

along said auxiliary reciprocating displacement in the direction opposite the direction of the auxiliary reciprocating displacement.



(Compl. Specn. : 36 pages;

Drgns. : 17 sheets)

CL : 40 C

179993

Int. Cl. : B 29 C 67/20, C 08 J 9/12

"A METHOD FOR THE PRODUCTION OF INTEGRAL SKIN FOAM."

Applicant : PPV VERWALTUNGS AG., OF FROBELS-TRASSE 33, CH-8032 ZURICH, SWITZERLAND.

Inventors : 1. GUNTER POSCHL, 2. HANS-JURGEN WAYAND.

Application No. : 360/Cal/1993 filed on 25th June, 1993.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

A method for the production of integral skin foam from a liquid skeleton substance like plastic or inorganic material, which is foamed up by atleast one inert, non-flammable gas such as herein described, which is set free by energy supply, whereby the inert, non-flammable gas together with a low quantity of hydrocarbon fluid such as herein described is added to the liquid skeleton substance and whereby only the inert, non-flammable gas serves during the energy supply for the foaming up of the skeleton substance and the hydrocarbon fluid promotes the formation of a dense outer skin of the integral skin foam, characterised in that the liquid skeleton substance is brought into a chamber and a sonochemical process is brought about, in order to dissolve the gasses in the liquid skeleton substance, and the addition of hydrocarbon fluid is less than 1% by vol. of the inert gas and the liquid skeleton substance and consists of cyclobutane, cyclohexane, cyclopentane or a mixture thereof.

(Compl. Specn. : 11 pages;

Drgns. : 1 sheet)

CL : 50 D

179994

Int. Cl. : F 25 D 25/02

"MODULAR REFRIGERATION APPARATUS."

Applicant : THE COCA-COLA COMPANY, OF ONE COCA COLA PLAZA, N.W. ATLANTA, GEORGIA 30313, UNITED STATES OF AMERICA.

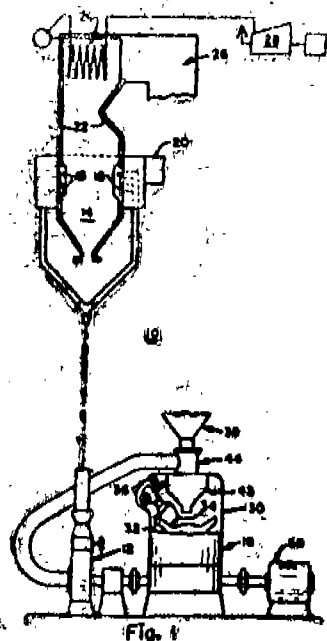
Inventors : 1. ARTHUR GILBERT RUDICK, 2. SHAUN BLAISF GATIPON, 3. HOWARD WILLIAM WACHENHEIM.

Application No. : 363/Cal/1993 filed on 28th June, 1993.

d. a multiplicity of blades each having one end thereof mounted on the circumference of said rotor in spaced relation one to another so that each of said multiplicity of blades extends in a direction counter to the direction of rotation of said rotor and at an angle preestablished so as to optimize the efficiency of the high efficiency exhauster, the

length and the width of each of said multiplicity of blades being determined by the quantity of flow, static pressure and horse power of the high efficiency exhauster and

e. an outlet formed in said casing for discharging there through from the high efficiency exhauster gas-entrained pulverized solid fuel after the passage thereof through said casing.



(Compl. Specn. : 30 pages;

Drgns. : 5 Sheets)

Cl. : 190 B & C

179997

Int. Cl.⁴ : F 02 C 09/28

"A CONTROL SYSTEM."

Applicant : THE TATA IRON & STEEL COMPANY LIMITED, OF DOMBAY HOUSE, 24 HEMI MODY STREET, BOMBAY-400 001, INDIA.

Inventors : 1. VINOD KUMAR, 2. KUNAR RANJAN CHATTERJEE, 3. SUBIMAL BIKASH CHAUDHURY, 4. RAJIV SURI, 5. GHANSHYAM ACHARYA, 6. PURSHOTTAM THAKUR, 7. UMA SHANKAR SHARMA.

Application No. : 646/Cal/1993 filed on 27th October, 1993.

(Complete specification left after provisional on 27-1-1995).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

12 Claims

A control system having a single loop controller (20) to control the output of a turbo generator (1, 2) under a wide range of demand and supply fluctuations comprising a generator (2) operatively connected to a steam turbine (1) and to a main steam valve (19) for steam from boiler, the output of the said generator (2) is connected to a load demanded (3) and power system (4) and the input end of the turbo-generator (1, 2) connected to the said main steam valve (19), and a speed governor (17), the said speed governor (17) is connected to existing frequency feedback (18), and the speeder motor (16) characterised in that the said single loop controller comprises mega watt actual demanded (5) connected to mega watt controller (6), a

mega watt set (7) and secondary oil pressure (SOP) set (8) and combined output of MW controller (6) and a secondary oil pressure set (8) is fed to SOP high/low limit check (9) and connected to an actual signal processor (10) and a SOP controller (11), the output of said SOP controller (11) is connected to a power interface board (12), and to a speeder motor (16), the said speeder motor (16) alongwith signal from existing frequency feedback (18) connected to a speed governor (17) to control the speed of the turbo generator (1, 2).

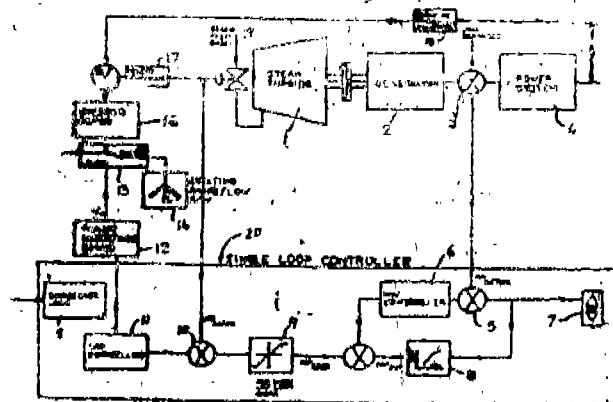


Fig. 10

(Compl. Specn. : 17 pages;

Drgns. : 6 sheets)

(Provl. Specn. : 9 pages;

Drgns. : 6 sheets)

Cl. : 108 B 1

179998

Int. Cl.⁴ : C 21 B 13/00

"PROCESS FOR PRODUCING PIG IRON FROM IRON ORES, AND APPARATUS THEREFOR."

Applicant & Inventor : BODGAN VULETIC, OF BILKER STRASSE 19, D-40213 DUSSELDORF FEDERAL REPUBLIC OF GERMANY.

Application No. : 737/Cal/1993 filed on 30th November, 1993.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

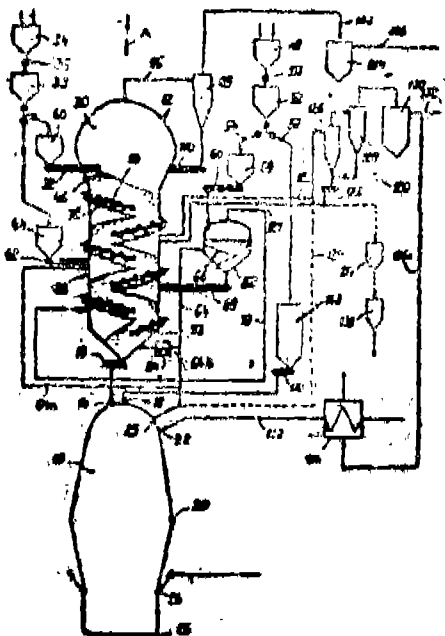
58 Claims

Process for producing pig iron from iron ores, in which the iron ores and optionally added additives such as limestone, dolomite and quartz travel from the top downwards through a reduction unit through which a hot reduction gas containing carbon monoxide and hydrogen flows from the bottom upwards via a succession of oblique trays which are staggered in a cascade-like manner, and the reduction product is drawn off at the bottom end of the reduction unit, the reduction gas being generated in a gas generator, by partial oxidation of carbon carriers or by cracking of natural gas or petroleum, characterized in that :

for the purpose of reducing iron ores having at least a high proportion of dust-like and/or granular iron ores, the iron ores and optionally said additives are passed downwards in the reduction unit via gas distributor trays; and

the iron ores and optionally the additives are introduced, sorted into fractions according to grain size, into the system of gas distributor trays, which is located in the reduction unit in such a way that the coarse fraction of the iron ores and optionally of the additives is introduced into the top section of the reduction unit and the fine fraction of the

iron ores and optionally of the additives is introduced into the middle zone or in the middle and bottom zones of the reduction unit.



(Compl. Specn. : 44 pages;

Drgns. : 3 sheets)

Cl. : 143 D 4

179999

Int. Cl.⁸ : B 65 B 25/24

WRAPPING APPARATUS.

Applicant : JOHN LYSAGHT, OF 55 SUSSEX STREET, SYDNEY, NEW SOUTH WALES, 2000, AUSTRALIA. AND K. C. METAL PRODUCTS, PROPRIETARY LIMITED, OF 24 COLLINS ROAD, DROMANA, VICTORIA, 3936, AUSTRALIA.

Inventors :

- (1) KENNETH DAVID CLEENE
- (2) JOHN GERARD VENTURIN.

Application No. 856/Cal/1992 filed on 24th November, 1992.

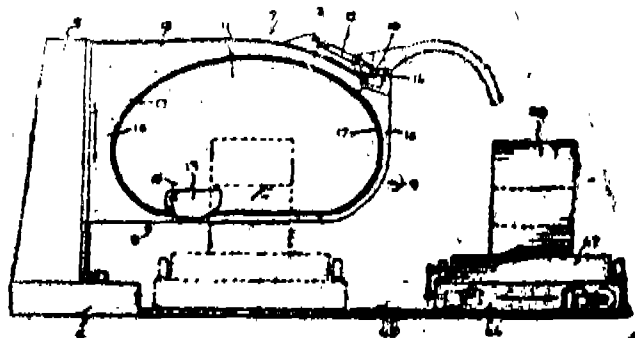
(Convention No. PK 9726 on 27-11-91 & PL 1886 on 13-04-1992 in Australia).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

12 Claims

Wrapping apparatus comprising a loop structure defining an endless track, a shuttle, able to ride around said track, dispensing means on said shuttle, able to hold a coil of a pliable wrapping medium and enabling medium to be drawn from the coil, and work piece support means able to support an article to be wrapped with at least a part of the article surrounded by said track; wherein said loop structure includes a gate portion that may be moved to an open position to create a gap in said track and then returned to a closed position to eliminate said gap, whereby an angular article may be linked with said track, said shuttle carries take up accumulator means, which is able to accommodate, and maintain tension in a variable quantity of drawn off medium prior to its application to the article, comprising a plurality of fixedly positioned training rollers, a plurality of yieldably positioned training roller and loading means resiliently loading the yieldably positioned rollers away from the fixedly positioned rollers,

so as to maintain tension in a variable length of wrapping media extending in a tortuous path about the respective training rollers.



(Compl. Specn. 17 pages;

Drgs. 4 sheets)

Cl. : 32 F 2b

180009

Int. Cl. : C 07 H 19/06

PROCESS FOR PURIFYING AND ISOLATING 2'-DEOXY-2'-DIFLUORONUCLEOSIDES.

Applicant : ELI LILLY AND COMPANY, OF LILLY CORPORATE CENTER, CITY OF INDIANAPOLIS, STATE OF INDIANA, UNITED STATES OF AMERICA.

Inventors :

- (1) TA-SEN CHOU
- (2) LAURIE MICHELLE POTEET
- (3) DOUGLAS PATTON KJELL.

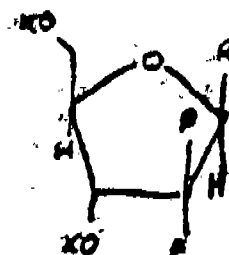
Application No. 1454/Cal/1995 filed on 14th November, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

5 Claims

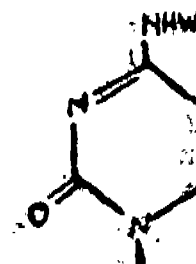
1. A process to purify and isolate a 2'-Deoxy-2', 2'-Difluoronucleoside comprising :

a. providing a mixture containing R" and a beta-anomer enriched nucleoside of the formula



(IB);

wherein each X is independently selected from hydroxy protecting groups and R' is a nucleobase of the formula



where W is an amino protecting group; and R" is a nucleobase of the formula



where W' is an amino protecting group or hydrogen; in a high boiling solvent such as herein described;

- (b) diluting the mixture with an organic solvent selected from the group consisting of ethers, esters and nitriles;
- (c) adding the diluted reaction mixture to aqueous acid such as herein described; and
- (d) holding the acid mixture so prepared at a temperature from 70°C to 100°C until the product of formula 1B, where W is now 'W', has precipitated, if desired the purified formula 1B is deblocked to from the nucleoside.

(Compl. Specn. 115 Pages)

CLAIM UNDER SECTION 20 (1)

In pursuance of leave granted under section 20 (1) of the Patents Act, 1970 application No. 263/Cal/92 (177527) made by IBF Integrated Business and Finance S.A. has been allowed to proceed in the name of process Newplast Holding N.V.

RENEWAL

176926	177138	176364	175421	175242	175263	170499
175907	176107	176956	177829	171768	174045	177737
166907	166908	175385	172845	176117	162463	158766
176927	176966	177861	177863	177869	177868	163499
175423	174428	177731	176895	176958	173888	171183
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164949	164950	165990	168672	166461	168330	177598
173210						

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159520	159557	159625	159652	159669	159725	159752
159811	159885	159908	159929	159938	159941	159981
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160298	160299	160302	160322	160332	160427	160485
160490	160491	160495				

PATENT SEALED ON 05-12-97

174355 174360 177620*D 177657* 178078 178336* 178363*
178364 178365 178366* 178367 178368 178369* 178370
178371 178372* 178373 178374 178375* 178376* 178377
178378* 178379*D 178380 178381 178382 178383 178384*D
178385*D 178386*D 178387*D 178388*D 178389*F
178390*F

CAL-11, DEL-22, MUM-01, CHEN-NIL.

*Patent shall be deemed to be endorsed with words LINCENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D-Drug Patents

F-Food Patents.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 1. No. 171359, India Foils Limited, of 4, Mangoe Lane, Calcutta-700001, West Bengal, India, an Indian company, "Roll Stack", 17th May 1996.

Class 1. Nos. 172108 & 172109, Kabushiki Kaisha Toyoda Jidoshokki Seisakusho, a Japanese company of 2-1, Toyoda-cho, Kariya-shi, Aichi-ken, Japan and Kanpatsu Kogyo Co. Ltd. a Japanese company of 1-18, Deguchi 1-chome, Hirakata-shi, Osaka-fu, Japan, "Lappet for A spinning Machine", 6th September, 1996.

Class 3. Nos. 172197 to 172199, The Protector & Gamble Company, a corporation organized under the laws of the State of Ohio, U.S.A., of One Procter & Gamble Plaza, Cincinnati, State of Ohio, United States of America, "Tooth Brush", 17th September 1996.

Class 3. Nos. 172152 to 172155, Mehta HWA Fuh Plastics Pvt. Ltd., an Indian company of Chemox House, 2nd floor, 7 Barrack Road, Mumbai-400020, Maharashtra, India, "Folder", 16th September 1996.

Class 3. Nos. 171519 & 171520, Fernhill Laboratories & Industrial Est. of Nilgiri House, 1st floor, 177 A, Cadel Road, Mahim, Mumbai-400 016, Maharashtra, India, an Indian partnership firm, "Bottle without Cap", 14th June, 1996.

Class 3. No. 171358, India Foils Limited, of 4, Mangoe Lane, Calcutta-700001, West Bengal, India, "Roll Stack", 17th May 1996.

Class 3. No. 172756, TTK Prestige Limited, having its principal place of business at 11th floor, Bridge Towers, No. 135, Brigade Road, Bangalore-560025, State of Karnataka, India, "Wooden Pack", 3rd December 1996.

Class 5. No. 172760, TTK Prestige Limited, having its principal place of business at 11th floor, Brigade Towers, No. 135, " Brigade Road, Bangalore-560025, State of Karnataka, India, "Four Side Transparent Package", 3rd December 1996.

Class 10. Nos. 172102 to 172105, Kripal Agency, an Indian partnership firm of Adress Hing Ki Mandi, Agra-3, Uttar Pradesh, India, "The Sole of Footwear", 4th September 1996.

T. R. SUBRAMANIAN
Controller General of Patents, Designs &
Trade Marks

